DOCUMENT RESUME

ED 259 156 CE 041 845

TITLE	Agriculture. Sheep Livestock.
INSTITUTION	Michigan State Univ., East Lansing. Coll. of Agriculture and Natural Resources Education Inst.
SPONS AGENCY	Michigan State Dept. of Education, Lansing. Vocational-Technical Education Service.
PUB DATE	85
NOTE	177p.; For related documents, see CE 041 843-847.
AVAILABLE FROM	Michigan Vocational Education Resource Center, 133 Erickson Hall, Michigan State University, East Lansing, MI 48824-1034.
PUB TYPE	Guides - Classroom Use - Guides (For Teachers) (052)
EDRS PRICE	MF01/PC08 Plus Postage.
DESCRIPTORS	*Agricultural Education; *Agricultural Production; *Animal Husbandry; Curriculum Guides; Evaluation Criteria; Job Search Methods; *Job Skills; Leadership Training; Learning Activities; Livestock; Occupational Information; Secondary Education; Student Organizations; *Vocational Education
IDENTIFIERS	Future Farmers of America; *Sheep

ABSTRACT

This task-based curriculum guide for agricultural production, specifically for sheep, is intended to help the teacher develop a classroom management system where students learn by doing. Introductory materials include a Dictionary of Occupational Titles job code and title sheet, a task sheet for developing leadership skills, and a task list. Each task is then outlined in this format: statement of duty, statement of task, duty and task numbers, a checklist of achievement indicators, a statement of the criteria for achievement of competence, specification of required tools and equipment and resources, and lists of teacher activities and student learning activities. The tasks are categorized by eight duties: caring for sheep, breeding sheep, feeding sheep, maintaining sheep health, maintaining sheep facilities, marketing sheep, showing sheep, and using employability skills. Other contents include student and class achievement records and tool/equipment lists. (YLB)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

☐ This document has been reproduced as received from the person or organization originating it.

☐ Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

S. Ulbaso

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

MICHIGAN STATE BOARD OF EDUCATION

Norman Otto Stockmeyer, Sr., President . . . . . Westland

Barbara A. Dumouchelle, Vice President . . . . . Grosse Ile

Barbara Roberts Mason, Secretary . . . . . Lansing

Dorothy A. Beardmore, Treasurer . . . . . Rochester

Edmund F. Vandette, NASBE Delegate . . . . . Houghton

Carroll M. Hutton . . . . . Highland

Cherry Jacobus . . . . . Grand Rapids

Annetta Miller . . . . . Huntington Woods

Ex-Officio Members

James J. Blanchard, Governor

Phillip E. Runkel
Superintendent of Public Instruction

The materials presented or reported herein were developed pursuant to a grant to Michigan State University, College of Agriculture and Natural Resources, Department of Agricultural and Extension Education (AEE) from the Michigan State Board of Education, Vocational-Technical Education Service Area utilizing funds made available under the Federal Vocational Education Amendments of 1976 (P.L. 94-482). The opinions expressed herein do not necessarily reflect the policies and positions of the Michigan State Board of Education or the Michigan Department of Education, and no official endorsement should be inferred.

Copyright © 1985 Michigan State Board of Education

TABLE OF CONTENTS

INTRODUCTION 1

PERFORMING LEADERSHIP SKILLS 7

TASK LIST 9

DUTY A - CARING FOR SHEEP 17

DUTY B - BREEDING SHEEP 51

DUTY C - FEEDING SHEEP 65

DUTY D - MAINTAINING SHEEP HEALTH 79

DUTY E - MAINTAINING SHEEP FACILITIES 113

DUTY F - MARKETING SHEEP 143

DUTY G - SHOWING SHEEP 155

DUTY H - USING EMPLOYABILITY SKILLS 167

TOOL AND EQUIPMENT LIST 189

STUDENT ACHIEVEMENT RECORD 193

CLASS ACHIEVEMENT RECORD 199

INTRODUCTION

This curriculum guide was developed through a grant awarded to the Agricultural and Extension Education Department (AEE), College of Agriculture and Natural Resources, Michigan State University, by the Vocational-Technical Education Service of the Michigan Department of Education (V-TES/MDE).

The credit for this curriculum guide belongs to:

(1) A task force of individuals from education who reviewed job titles, worker tasks, and developed achievement indicators, criteria statements, tools/equipment, references and resources;

(2) The Vocational-Technical Education Service, Michigan Department of Education consultant responsible for the program area; and,

(3) The project coordinator from AEE.

The names of these people are identified after this section. The following describes the role of each of those credited above in developing the curriculum guide.

(1) The task force members identified occupational titles appropriate to the agriculture program area. This process was facilitated by using materials developed by the Vocational-Technical Education Consortium of States (V-TECS).

(2) The V-TES/MDE curriculum consultants provided overall guidance for the project. This responsibility included nominating the task force members, and working with the AEE staff to determine the direction, format, and content of the curriculum guide.

(3) The project coordinator in AEE was responsible for developing the format of the curriculum, working with the members of the task force to ensure the quality of the curriculum as well as that the final curriculum guide was produced on schedule. The work of the project coordinator was made considerably easier because of the close collaboration of the V-TES/MDE curriculum consultant. This whole effort was a partnership and could not have been completed without this arrangement.

Credit should also be given to the secretaries and other support staff who typed and proofread the curriculum guide at its various stages of development. Without their assistance this effort would never have been completed.

It is intended by all those involved in the development of this curriculum guide that it be used to provide relevant training for entry to the world of work. It is hoped that this curriculum guide is used to that end.

This curriculum guide is one of a series of nine developed for Production Agriculture, C.I.P. 01.0301. A complete Production Agriculture program will use all nine guides: Beef, Sheep, Dairy, Poultry, Swine, Crops, Soils, Farm Business Management, and Farm Mechanics. A listing of Dictionary of Occupational Titles (DOT) job titles associated with these guides is listed below.

D.O.T. TITLE	D.O.T. #
FARM MACHINE OPERATOR	409.683-010
LIVESTOCK RANCHER	410.161-018
POULTRY FARMER	411.161-018
FARMWORKER: POULTRY	411.584-010
LABORER: POULTRY FARM	411.687-018
FARMER: VEGETABLE	402.161-010
SUPERVISOR: TREE-FRUIT-AND-NUT	403.131-010

D.O.T. TITLE	D.O.T. #
FARMER: FIELD CROP	404.161-010
FARMER: GENERAL	421.161-010
FARM WORKER: LIVESTOCK	410.664-010
CATTLE RANCHER	410.161-018
SWINE RANCHER	410.161-018
SHEEP RANCHER	410.161-018
SHEEP HERDER	410.687-022
DAIRY FARMER	410.161-018
FARMWORKER: DAIRY	410.684-010
FARMER: CASH GRAIN	401.161-010
GENERAL MANAGER: FARM	180.167-018
TRACTOR MECHANIC	620.281-058
TRACTOR-MECHANIC HELPER	620.684-030
FARM-EQUIPMENT MECHANIC 1	624.281-010
FARM-EQUIPMENT MECHANIC APPRENTICE	624.281-014
FARM-EQUIPMENT MECHANIC 2	624.381-014
FARMWORKER: GENERAL I	421.683-010
FARMWORKER: GENERAL II	421.687-010

Development of leadership skills as well as technical skills has always been an important part of the vocational agriculture training program. Today's agriculture is very complex, being able to participate, communicate and lead is even more critical now than in prior years. Tomorrow's producer must be able to take an active role in the profession and society.

Recognizing the importance of preparing the decision makers of tomorrow, the duty of "Performing Leadership Skills" is included in all nine curriculum guides. The student is not expected to complete all ten achievements in one year, but should have completed most of them when they have completed the total agriculture program.

Participation in Future Farmers of America (FFA) activities will enhance

the development of those important leadership skills. It is suggested that this duty/task be reproduced and placed in each individual student file.

The following people were instrumental in the development of the Agriculture Curriculum Guides.

V-TES Consultant: Richard Karelse, Specialist
Charles Arensmeier, Specialist
Agriculture Education
Secondary Unit
Vocational-Technical Education Service
Michigan Department of Education
P.O. Box 30009
Lansing, MI 48909

CURRICULUM TASK FORCE

Mr. Frank Corrin
Corunna High School
417 East King Street
Corunna, MI 48817

Mr. Norwin Braun
Chesaning High School
850 North Fourth
Chesaning, MI 48616

Mr. Glen Ruder
North Adams High School
451 Knowles Road
North Adams, MI 49262

Mr. Floyd Beneker
Marshall High School
701 N. Marshall Avenue
Marshall, MI 49068

Mr. Charles VanDenburg
Ionia High School
438 Union
Ionia, MI 48864

Mr. Carl Kieser
Unionville-Sebewaing Area
High School
2203 Wildner Road
Sebewaing, MI 48759

Mr. Walter Weber
Ravenna High School
2700 South Ravenna Road
Ravenna, MI 49451

Mr. Al Steeby
Caledonia High School
9749 Duncan Lake Road
Caledonia, MI 49316

Ronald Stevens
Lakewood High School
Route #3, Velte Road
Lake Odessa, MI 48849

Jerry Brown
Caro Community Schools
301 Hooper Street
Caro, MI 48723

Project Coordinator: Chris M. Olson
Project Secretaries: Carol A. Fosburg
Nancy L. Huntington
102 Wills House
Michigan State University
East Lansing, MI 48824

For further information please contact:

MSU Curriculum Resource Team
102 Wills House
Michigan State University
East Lansing, MI 48824
(517) 353-0661

or

Richard Karelse, Specialist
Charles Arensmeier, Specialist
Agriculture Education
Secondary Unit
Vocational-Technical Education Service
Michigan Department of Education
P.O. Box 30009
Lansing, MI 48909
(517) 373-3365

Duty: Performing Leadership Skills	**Duty No.**
	Task No.

Task: Develop leadership skills to provide leaders in agriculture.

Achievement Indicators: The learner:	Yes	No
1. Performed ten Parliamentary Procedure Skills -	____	____
2. Gave a five minute speech -	____	____
3. Led a group discussion for 15 minutes -	____	____
4. Served as an FFA officer -	____	____
5. Served as a Program of Activities Committee Chairperson -	____	____
6. Served as an active member of a committee -	____	____
7. Participated in five activities above chapter level -	____	____
8. Participated in carrying out activities as listed in the program of activities -	____	____
9. Prepared a twelve minute demonstration -	____	____
10. Attended leadership meetings -	____	____

Criteria: Competence in the task will be recognized when the instructor is satisfied with leadership performance of the student.

Tools and Equipment:	**Resources:**
FFA Record Book Tape Recorder Video Tape	FFA Student Handbook Robert's Rules of Order FFA Degree Application FFA Manual

TASK LIST
FOR
SHEEP

A. CARING FOR SHEEP

1. Plan goals for sheep farm, using appropriate records and references, to determine desired direction of farm.

2. Keep records, using appropriate equipment, to maximize profit.

3. Prepare production performance record, using appropriate records and resources, to evaluate proficiency of production.

4. Make inventory lists of sheep and equipment, using appropriate resources, to determine present status and growth potential of farming operations.

5. Set up lambing pens, using appropriate materials, to increase ewe-lamb bonding.

6. Move ewe by carrying her lamb, using natural instinct of ewe, to move her to desired location.

7. Identify animals, using appropriate equipment, to facilitate recordingkeeping.

8. Assist ewe in lambing (where necessary), using apprppriate resources, to ensure birth of lamb.

9. Clean newborn animals, using appropriate methods, to ensure survival of lamb.

10. Assist ewe to recognize lamb, using appropriate resources, to form a ewe-lamb bond.

11. Check mother's milk supply, using appropriate resources, to observe milk flow.

12. Assist young to nurse, using appropriate techniques, to assure survival of lamb.

13. Remove afterbirth, using appropriate tools, techniques and procedures, to ensure health of ewe.

14. Weigh and ear-tag newborn lamb, using appropriate equipment, to identify and establish growth potential of lamb.

15. Correct entropium eye, using appropriate method, to ensure health of the lamb.

16. Assist ewe in adoption, using appropriate techniques, to make ewe accept lamb.

17. Paint-brand sheep, using appropriate materials, to facilitate identification.

A. CARING FOR SHEEP (continued)

18. Wean animals, using appropriate methods and records, to facilitate feed adjustment and growth potential of lambs.

19. Record weaning weights of lambs, using appropriate equipment, to determine growth rate.

20. Weigh feeder animals, using appropriate equipment, to determine weight gain.

21. Move feeder animals to feeder lot, using appropriate resources, to facilitate growth and reduce labor.

22. Catch sheep using flank/chin method, using appropriate methods, to ensure animal's safety.

23. Shear sheep, using appropriate equipment, to remove wool properly.

24. Trim hooves, using appropriate equipment, to ensure health of animal.

25. Dry off ewes, using appropriate techniques, to ensure future milk productions of ewe.

26. Apply for registration, using appropriate records and forms for proper I.D.

27. Dispose of unused chemicals and drugs, using appropriate resources, to ensure safety of humans and animals.

28. Store chemicals, inflammable materials and medications, using appropraite resources, to ensure health and safety of humans and animals.

B. BREEDING SHEEP

1. Plan breeding systems, using appropriate resources, to acquire desirable, heritable characteristics into the herd.

2. Select breeding stock, using appropriate records, to improve desirable meat and wool qualities.

3. Keep breeding and lambing records, using appropriate supplies and equipment, to improve the flock.

4. Flush animals, using appropriate resources, to increase lamb crop percentage.

5. Tag ewes, using appropriate equipment, to increase conception rate.

6. Determine when to breed ewes, using appropriate indicators, to market lambs advantageously

B. BREEDING SHEEP (continued)

7. Determine number of rams needed for sheep flock, using appropriate records and flock size, to maximize conception rate and shorten lambing season.

8. Mark rams, using appropraite equipment, to maintain accurate breeding records and determine ram and ewe fertility.

9. Breed ewes, using natural service, to increase flock size.

10. Arrange pregnancy check for bred ewes, using appropriate techniques and records, to determine pregnant ewes.

11. Keep record of due dates for ewes, using appropriate resources, to determine lambing dates.

12. Select feeder lambs, using appropriate standards, to determine the desired quality of lamb to feed.

C. FEEDING SHEEP

1. Prepare ration for sheep, using appropriate equipment, to obtain maximum growth and efficiency.

2. Prepare sheep feeding records, using appropriate resources, to determine profitability of enterprise.

3. Select feeding methods, using appropriate procedures, to increase labor efficiency.

4. Calculate cost of grain on feeder lambs operation, using appropriate records, to determine profitability of enterprise.

5. Calculate cost of rations and feed mixtures, using appropriate resources, to determine least cost for optimum efficiency.

6. Creep feed lambs-ration, using appropriate facilities, to maximize gains.

7. Implant feeder lambs with growth stimulants, using approved methods, to maximize weight gains.

8. Feed lambs, using self-feeder, to decrease labor input.

9. Adjust feeders for sheep, using appropriate method, to ensure adequate feed.

10. Determine feeding and watering space requirements, using appropriate resources, to ensure proper feed and water intake.

11. Examine feedstuffs for mold and spoilage, using proper techniques, to ensure health of animal

C. FEEDING SHEEP (continued)

12. Service bulk feed handling equipment, using approved methods, to extend life of equipment.

13. Service grinding and mixing equipment, using approved methods, to extend life of equipment.

14. Order feed, using appropriate procedures, to maintain proper inventory.

D. MAINTAINING SHEEP HEALTH

1. Examine sheep for external parasites, using appropriate resources, to ensure the health of the sheep.

2. Dip sheep, using appropriate equipment, to ensure the health of the sheep.

3. Dust sheep, using appropriate equipment, to control external parasites.

4. Spray sheep, using appropriate equipment, to control external parasites.

5. Examine sheep for internal parasites, using appropriate resource, to ensure health of the sheep.

6. Worm sheep using drenching method, using appropriate resources, to remove internal parasite.

7. Worm sheep using pill/bolus method, using appropriate resources, to remove internal parasites.

8. Collect fecal sample, using appropriate resources, to determine the presence of internal parasite.

9. Develop pasture rotation schedule, using appropriate resources, to provide an adequate health program on pasture.

10. Plan a disease control program, using appropriate resources, to ensure flock health.

11. Take sheep's temperature, using appropriate equipment, to determine health condition of the sheep.

12. Administer medication by injection, using proper equipment, to ensure health of the sheep.

13. Administer oral medication, using approved equipment, to ensure health of the sheep.

14. Apply medication to cuts and bruises, using appropriate equipment, to treat the sheep.

15. Treat sheep for contagious diseases, using appropriate equipment, to ensure flock health.

16. Treat sheep for scours, using appropriate equipment, to ensure flock health.

D. MAINTAINING SHEEP HEALTH (continued)

17. Vaccinate animals, using appropriate equipment, to prevent flock disease.

18. Castrate lamb, sharp-knife method, using appropriate equipment, to prepare for the feedlot.

19. Castrate lamb, using emasculator, using appropriate equipment, to prepare for the feedlot.

20. Castrate lamb using elastrator, using appropriate equipment, to prepare lamb for the feedlot.

21. Dock lamb using sharp-knife method, using appropriate equipment, for improving flock health.

22. Dock sheep using elastrator band, using appropriate equipment, for improving flock health.

23. Treat bloated animals, using approved method, to ensure the health of the sheep.

24. Isolate newly purchased animals for observation, using approved resources, to ensure the health of the flock.

25. Separate sick, weak or injured animals, using appropriate equipment, to ensure the health of the flock.

26. Dispose of dead animals, using appropriate resources, to maintain a proper flock health.

27. Apply insecticides in building, using appropriate reosurces, to maintain flock health.

28. Disinfect buildings and equipment, using appropriate resources, to maintain flock health.

29. Clean sheep pens and housing, using appropriate resources, to maintain flock health.

E. MAINTIANING SHEEP FACILITIES

1. Plan housing for a ewe and lamb operation, using appropriate resources, to ensure protection from elements and facilitate handling.

2. Clean and adjust waterers for sheep, using appropriate methods, to ensure adequate water intake.

3. Install waterer, using proper techniques, to ensure water supply for flocks.

4. Install self-feeders, using appropriate procedures, to decrease labor requirements.

5. Build lamb creep feeder, using appropriate materials, to provide adequate feeding space.

E. MAINTAINING SHEEP FACILITIES (continued)

6. Build hay and grain bunk, using appropriate materials, to provide adequate feed space.

7. Build salt and mineral boxes, using appropriate materials, to provide adequate minerals for flock.

8. Build cutting chute, using appropriate materials, to ensure labor efficiency.

9. Build portable loading chute, using appropriate materials, to increase labor efficiency.

10. Build trimming stand, using appropriate resources, to facilitate trimming of show animals.

11. Build lambing complex, using appropriate resources, to maximize labor resources.

12. Build electric fence (sheep type), using appropriate resources, to maintain sheep in a given area.

13. Apply wastes to fields, using proper procedures and techniques, to ensure public health and adequate waste disposal.

14. Build foot bath, using appropriate resources, to adequately treat farm flocks and increase labor efficiency.

15. Inspect buildings, using proper procedures and resources, to ensure general health and safety.

F. MARKETING SHEEP

1. Plan marketing schedule, using appropriate resources, to ensure maximum profit.

2. Calculate expected returns and profits on sales, using appropriate resources, to make financial decision.

3. Calculate shrinkage, using appropriate resources, to determine actual market weight.

4. Estimate market grades, using appropriate resources, to meet the demands of the consumer.

5. Select markets, using appropriate resources, to maximize profits.

6. Sort and mark lambs for market, using appropriate resources, to maximize profits.

7. Cull animals for sale, using appropriate resources, to improve the quality of the flock.

F. MARKETING SHEEP (continued)

8. Prepare carriers for hauling animals, using appropriate resources, to ensure safety of animals.

9. Load and transport sheep, using appropriate resources, to ensure safety of the sheep.

10. Consign outstanding animals to sale, using appropriate resources, to promote the farm breeding program.

11. Market wool, using appropriate resources, to maximize flock profit.

G. SHOWING SHEEP

1. Selected animal for showing, using appropriate resources, to ensure the best quality animal for the show.

2. Prepare lamb, using appropriate equipment, to improve the general appearance of the lamb.

3. Trim and shave lamb, using appropriate resources, to properly prepare lamb for show.

4. Prepare market lamb for showing.

5. Train lamb to lead and stand, using appropriate method, to assure proper ring procedure.

6. Show lamb, using appropriate resources, to obtain the highest placing.

7. Transport animals to show, using appropriate resources, to assure the safety of the animal.

8. Prepare facilities at show (pen, stall, etc.), using appropriate resources, to best represent the animal and exhibition at the show.

9. Prepare exhibitor for show, using appropriate resources, to best represent himself or herself and the flock.

H. USING EMPLOYABILITY SKILLS

1. Perform a self-assessment, using knowledge and information, to compile a list of personal attributes.

2. Perform a self-assessment, using knowledge and information, to identify areas of work that will provide personal job satisfaction.

3. Perform a self-assessment, using knowledge and information, to determine methods to reduce levels of stress.

4. Compile an occupational profile, using reference materials, to determine the characteristics, requirements, and employment outlook of an occupation.

5. Investigate non-wage job characteristics, using available resources, to identify significant job factors.

H. USING EMPLOYABILITY SKILLS (continued)

6. Develop goals, using knowledge, to determine career objective(s).

7. Perform a job search, using information, to identify employment opportunities.

8. Participate in an information interview, using knowledge and resources, to obtain information about a job from an employer.

9. Complete a social security form, using information, to apply for a social security number.

10. Contact an employer, using a telephone, to pursue potential employment opportunities.

11. Complete a job application, using personal notes, to apply for employment.

12. Prepare a resume, using personal information, to apply for a job.

13. Write a letter, using personal notes, to apply for a position.

14. Demonstrate appropriate dress, using a knowledge of job requirements, to comply with standards of on-the-job attire and grooming.

15. Interview for a job, using communication skills, to secure employment.

16. Contact a job interviewer, using a telephone, to accept/reject a job.

17. Complete forms, using information, to withhold city, state and federal taxes.

18. Describe performance evaluation measurements, using knowledge, to identify behavior/attitudes that employers expect employees to exhibit on the job.

19. Perform a continuing education program search, using available resources, to identify opportunities for retraining, skills upgrading, and career advancement.

20. Analyze career information, using available resources, to identify the opportunities for advancement that exist within an occupation.

21. Describe job resignation/dismissal practice, using knowledge, to identify positive methods for terminating an employment situation.

Duty: Caring for Sheep	**Duty No.** A
	Task No. 1

Task: Plan goals for sheep farm, using appropriate records and references, to determine desired direction of farm.

Achievement Indicators: The learner:	Yes	No
1. Determined current levels of performance and production -	____	____
2. Reviewed financial records -	____	____
3. Evaluated growth potential based on current levels of performance and production -	____	____
4. Identified areas that needed improvement and set priorities -	____	____
5. Developed individual and family goals -	____	____
6. Determined cash income needs -	____	____
7. Calculated cash and/or accrual income sources -	____	____
8. Developed goals compatible with farm and family resources -	____	____
9. Recorded goals -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Financial records Production records Inventory	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 2

Task: Keep records, using appropriate equipment, to maximize profit.

Achievement Indicators:	The learner:	Yes	No
1.	Secured records forms -	____	____
2.	Collected data -	____	____
3.	Entered items to be kept -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Pencil Pen Form Calculator	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 3

Task: Prepare production performance record, using appropriate records and resources, to evaluate proficiency of production.

Achievement Indicators: The learner:	Yes	No
1. Reviewed farm goals -	____	____
2. Identified records needed (pounds of feed consumed, pounds of gain, feed efficiency index, individual production, total production) -	____	____
3. Revised and selected needed sheep production data -	____	____
4. Selected method of recording data -	____	____
5. Recorded data for the beginning of the year -	____	____
6. Made data entries during the year as required by production schedule -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Record books Production data Farm goals Calculator	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 4

Task: Make inventory lists of sheep and equipment, using appropriate resources, to determine present status and growth potential of farming operations.

Achievement Indicators: The learner:	Yes	No
1. Reviewed existing inventory records -	____	____
2. Identified items to be inventoried -	____	____
3. Divided items into either liquid or fixed assets -	____	____
4. Listed each item on inventory sheet by type of asset -	____	____
5. Counted items to be inventoried -	____	____
6. Recorded quantities and description of items -	____	____
7. Categorized all itemized into liquid and fixed assets -	____	____
8. Filed inventory -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Blank inventory forms	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 5

Task: Set up lambing pens, using appropriate materials, to increase ewe-lamb bonding.

Achievement Indicators: The learner:

	Yes	No
1. Selected a sheltered wall section of the sheep barn -	____	____
2. Prepared two hinged hurdles and placed together -	____	____
Note: Panels must be a minimum of 4' square.		
3. Set hurdles against the wall and secured -	____	____
4. Placed heat lamps -	____	____
5. Provided fresh bedding and water -	____	____
6. Secured easy access to burlap or old towels for drying newborn lambs -	____	____

Note: Use of claiming pens protects newborn lambs from being trampled, decreases the hazard of chilling and lessens the danger of disowned lambs. Many respondents to the survey suggested television sets, coffee pots, etc., for the shepherd on watch.

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Sheep barn or shelter
Hinged hurdles
Heat lamps
Bedding
Water burlap or towels

Resources:

Duty: Caring for Sheep	**Duty No.** A
	Task No. 6

Task: Move ewe by carrying her lamb, using natural instinct of ewe, to move her to desired location.

Achievement Indicators: The learner:

	Yes	No
1. Secured the lamb by the loose skin around the neck -	____	____
2. Moved forward, keeping the lamb close to the ground and in front of ewe -	____	____
3. Maintained a close distance to the ewe -	____	____
Note: For most cases a distance of 4'-6' is sufficient.		
4. Released the lamb when the ewe had been moved to the desired location -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Lamb Mother ewe	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 7

Task: Identify animals, using appropriate equipment, to facilitate recordkeeping.

Achievement Indicators: The learner:	Yes	No
1. Paint branded ewes on back and side prior to breeding -	____	____
2. Renumbered ewes with same number after shearing -	____	____
3. Renumbered ewes at lambing time, if necessary -	____	____
4. Paint branded lambs at birth with same numbers as their mother -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Numbering set Paint	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 8

Task: Assist ewe in lambing (where necessary), using appropriate resources, to ensure birth of lamb.

Achievement Indicators: The learner:	Yes	No
1. Observed the ewe in labor, and if she had not progressed after one hour or within a few minutes of the water bag breaking, provided assistance -	____	____
2. Washed hands and arms with soap and mild disinfectant -	____	____
3. Trimmed and cleaned fingernails -	____	____
4. Covered hands and arms with vaseline or wore a disposable, sterile plastic glove -	____	____
5. Disinfected the external vulva; if dry, applied vaseline or mineral oil -	____	____
6. Elevated the ewe's hind quarters -	____	____
7. Reached into the ewe slowly and carefully, and determined the position of the lamb -	____	____
Note: In a normal presentation, the lamb has the front legs extended and the head between or resting on them.		
8. Placed the lamb in the proper presentation prior to proceeding with the delivery -	____	____
9. Slowly pulled the front legs out as the ewe labored -	____	____
10. Pressed on the vulva just back of the lamb's head -	____	____
11. Delivered the lamb's head -	____	____
12. Pulled the front legs outward and down toward the udder to deliver the shoulders -	____	____
13. Slowly applied pressure and delivered the rest of the lamb -	____	____

A-8

The learner:	Yes	No
14. Provided immediate care for the newborn lamb -	____	____
15. Disinfected naval cord; inserted uterine boluses -	____	____
16. Delivered the placenta -	____	____
17. Made ewe stand as soon as possible after giving birth -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Ewe in labor; soap; water; disinfectant; vaseline or mineral oil; sterile, plastic gloves; burlap or old towels

Resources:

Duty: Caring for Sheep	**Duty No.** A
	Task No. 9

Task: Clean newborn animals, using appropriate methods, to ensure survival of lamb.

Achievement Indicators:	The learner:	Yes	No
1.	Put on plastic gloves -	____	____
2.	Picked up newborn lamb -	____	____
3.	Cleaned mucus and foreign materials from mouth and nasal passages -	____	____
4.	Wiped lamb dry with towel or rag -	____	____
5.	Placed newborn lamb in box or holding area for additional medical procedures -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Plastic gloves Clean towels Heat lamp Portable holding box	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 10

Task: Assist ewe to recognize lamb, using appropriate resources, to form a ewe-lamb bond.

Achievement Indicators: The learner:	Yes	No
1. Placed ewe and lamb in pen -	____	____
Note: Made sure placenta was removed from nose of lamb.		
2. Assisted weak lamb in nursing -	____	____
3. Confined ewe so she could not turn around and butt lamb, where necessary -	____	____
Note: If ewe continued to reject lamb, introduced lamb to foster mother using same step.		

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Lamb Stanchion with partitions Holding area Blinders	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 11

Task: Check mother's milk supply, using appropriate resources, to observe milk flow.

Achievement Indicators:	The learner:	Yes	No
1.	Milked each teat to make sure milk was flowing at lambing time -	____	____
2.	Unplugged teat canal if plugged -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Ewe with lamb	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 12

Task: Assist young to nurse, using appropriate techniques, to assure survival of lamb.

Achievement Indicators: The learner:	Yes	No
1. Observed young lamb for weakness or chilled condition -	____	____
2. Dried young lamb -	____	____
3. Installed a supplemental heat source for lambs -	____	____
4. Inspected ewe's udder for teat development and cleanliness -	____	____
5. Placed lamb close to ewe's udder and put teat in lamb's mouth -	____	____
6. Ensured acceptance of lamb by ewe -	____	____

Note: Extremely weak lamb may be fed a solution of colostrum by syringe and stomach tube.

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Heat lamp Clean cloth	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 13

Task: Remove afterbirth, using appropriate tools, techniques and procedures, to ensure health of ewe.

Achievement Indicators: The learner:	Yes	No
1. Observed ewe six to eight hours after lambing -	____	____
Note: Observed for signs of retained placenta:		
a. Listlessness -	____	____
b. Portion of placenta extending from vagina -	____	____
c. Fever -	____	____
d. Absence of available milk in teats -	____	____
2. Examined ewe for unborn lambs -	____	____
Note: See steps 3 and 4 when there is evidence of unborn lamb.		
3. Exerted gentle pull on portion of placenta extending from vagina -	____	____
Caution: If placenta did not move after one gentle pull, stopped exerting pressure.		
4. Administered medication to induce uterin muscle contraction and release of milk -	____	____
Note: Medication must be administered every four hours.		
5. Examined ewe for passage of afterbirth -	____	____

Duty: Caring for Sheep	**Duty No.** A
	Task No. 14

Task: Weigh and ear-tag newborn lamb, using appropriate equipment, to identify and establish growth potential of lamb.

Achievement Indicators: The learner:

	Yes	No
1. Secured newborn lamb from ewe -	____	____
2. Placed in plastic pail -	____	____
3. Placed pail on precalibrated scale -	____	____
4. Recorded weight -	____	____
5. Inserted tag into tagging equipment -	____	____
6. Tagged center of lamb's ear -	____	____
7. Recorded tag number -	____	____
8. Returned lamb to its mother -	____	____

Caution: Ear tags are easily lost. They frequently rub or scratch the skin, making openings for serious worm infestation. Be on the lookout for such wounds.

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Ear tags
Tagging equipment
Scales
Recordkeeping notebook
Plastic pail
Lamb

Resources:

Duty: Caring for Sheep	**Duty No.** A
	Task No. 15

Task: Correct entropium eye, using appropriate method, to ensure health of the lamb.

Achievement Indicators: The learner:	Yes	No
1. Selected newborn lamb with entropium eye and restrained -	____	____
2. Gently rolled the lid into a normal position -	____	____
3. Repeated the procedure several times daily -	____	____
4. Washed the affected eye(s) with a 15% argyrol solution -	____	____
5. Observed the animal's condition before returning it to flock -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
15% argyrol solution Lamb with entropium eye	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 16

Task: Assist ewe in adoption, using appropriate techniques, to make ewe accept lamb.

Achievement Indicators: The learner:	Yes	No
1. Allowed the foster mother to develop a full udder of milk -	____	____
2. Sprinkled some of the ewe's milk on the lamb's rump and on the ewe's nose -	____	____
3. Introduced lamb to foster mother and observed -	____	____
Note: If the ewe failed to accept the lamb, stanchion the ewe so that she could eat, lip down, etc., but could not turn around to see the lamb nursing.		
4. Observed for two or three days, until the ewe has accepted the lamb -	____	____
5. Placed dog near ewe and lamb -	____	____
6. Skinned out lamb pelt and placed on unwanted lamb -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Lactating ewe Stanchion with partitions Orphan lamb Holding area	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 17

Task: Paint-brand sheep, using appropriate materials, to facilitate identification.

Achievement Indicators: The learner:	Yes	No
1. Gathered branding tools and equipment -	____	____
2. Prepared the branding fluid as per the manufacturer's specifications -	____	____
Note: Good branding fluid stays on the sheep for up to one year, yet washes out in the normal wool scouring process.		
3. Caught and confined sheep -	____	____
Note: Best done after shearing.		
4. Selected identification number for animals -	____	____
Note: In selecting numbers for lambing ewes, it is best to brand lambs with the last two digits of the mother's number, thus making it easier to reunite the lamb with its mother if it becomes separated.		
5. Applied branding fluid -	____	____
Note: Branded as small an area as possible.		
6. Recorded the identification numbers -	____	____
7. Released the animal -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Commercial branding fluid Sheep Holding area Assistant Paint branding tools	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 18

Task: Wean animals, using appropriate methods and records, to facilitate feed adjustment and growth potential of lambs.

Achievement Indicators: The learner:	Yes	No
1. Identified age to wean lambs -	____	____
Note: Younger lambs require more management.		
2. Separated ewe from lamb -	____	____
3. Provided complete feed ration and water for lambs -	____	____
4. Provided suitable environment for lambs past weaning -	____	____
5. Observed lambs for stress symptoms; e.g., scours, cough, etc. -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Feeder Waterers Medication Pens	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 19

Task: Record weaning weights of lambs, using appropriate equipment, to determine growth rate.

Achievement Indicators: The learner:	Yes	No
1. Recorded number and weights of lambs -	____	____
2. Calculated adjusted 30 - 60 - 90 - 120 day index -	____	____
3. Recorded adjusted weight of lambs -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Record forms Calculator Lambing data Weaning weight data	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 20

Task: Weigh feeder animals, using appropriate equipment, to determine weight gain.

Achievement Indicators: The learner:

	Yes	No
1. Identified animals to be weighed -	____	____
2. Moved animals to holding pens -	____	____
3. Prepared scales and checked for accuracy -	____	____
4. Weighed animals and recorded weight -	____	____
5. Returned animals to herd lot -	____	____

Caution: Made sure animals were returned to same lot from which they were removed.

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Scales
Holding pens
Record forms

Resources:

Duty: Caring for Sheep	**Duty No.** A
	Task No. 21

Task: Move feeder animals to feeder lot, using appropriate resources, to facilitate growth and reduce labor.

Achievement Indicators: The learner:	Yes	No
1. Identified age and size of lambs to be moved -	____	____
2. Calculated number of lambs facilities will accommodate -	____	____
3. Identified best mode of transporting -	____	____
4. Selected ration to feed after moving -	____	____
5. Checked watering and feeding equipment -	____	____
6. Provided dry, warm, well-ventilated sleeping quarters -	____	____
7. Moved lamb -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Loading chute Truck or other hauling equipment Feedlot Hurdles	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 22

Task: Catch sheep using flank/chin method, using appropriate methods, to ensure animal's safety.

Achievement Indicators: The learner:	Yes	No
1. Cornered the group of sheep against a barrier until they were crowded -	____	____
2. Selected the sheep to be caught -	____	____
3. Moved into the group and secured the animal from behind -	____	____
4. Lifted the flank until the right rear leg was off the ground -	____	____
5. While turning the sheep's neck, tripped the rear leg with foot and placed animal on its dock -	____	____
6. Positioned the animal as desired -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Small group of sheep Corner or barrier	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 23

Task: Shear sheep, using appropriate equipment, to remove wool properly.

Achievement Indicators: The learner:	Yes	No
1. Corralled sheep -	____	____
2. Spread canvas -	____	____
3. Selected sheep and placed on canvas -	____	____
4. Immobilized sheep -	____	____
5. Placed thumb into sheep's mouth and placed other hand on sheep's right hip -	____	____
Caution: Made sure thumb was in back of incisors.		
6. Twisted sheep's head sharply over its shoulder, pulling sheep toward shearer -	____	____
7. While stepping back, lowered sheep to canvas -	____	____
8. Started shearing brisket, working up into right shoulder area -	____	____
9. Turned sheep on side and sheared top of head -	____	____
10. While holding one ear, sheared cheek and side of neck as far as shoulder into the opening made at the brisket -	____	____
11. Placed sheep on its hip with head held against shearer's midsection and sheared down right shoulder -	____	____
12. While sheep was still in this position, sheared down left side -	____	____
13. Lowered sheep to canvas and while pressing down on back of flank, sheared flank -	____	____
14. Sheared along sheep's backbone -	____	____
15. While holding left leg, trimmed crotch area -	____	____
Note: Kept feet close to belly to keep sheep from hopping up. Discarded soiled wool.		

A-23

The learner:	Yes	No
16. While holding one ear, sheared down the right side of sheep's neck -	____	____
Caution: Kept a firm but gentle hold on sheep's ear; do not injure sheep.		
17. While holding sheep with one hand under sheep's chin and around neck, sheared nearest shoulder -	____	____
18. Shifted position to extend reach, and sheared down side and rump -	____	____
19. Shifted position to rear of sheep and sheared flank and rear end -	____	____
20. While holding up leg, sheared side of crotch -	____	____
21. Released sheep -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Shears (hand or electric)
Sheep
Pen
Shearing belt (if desired)
Antibacterial spray
Canvas

Resources:

Duty: Caring for Sheep	**Duty No.** A
	Task No. 24

Task: Trim hooves, using appropriate equipment, to ensure health of animal.

Achievement indicators: The learner:

	Yes	No
1. Inspected and corralled sheep with damaged hooves -	____	____
Caution: Only sharp, clean tools should be used in this task.		
2. Selected and restrained sheep -	____	____
3. Set sheep on rump -	____	____
Note: If sheep had been on dry, rocky terrain, their hooves would likely be hard. Where possible drove sheep into low, wet land to soften hooves. If no wet marshy land was available, other means of wetting hooves could be considered.		
4. Trimmed hooves -	____	____
5. Where necessary, used rasp to shape foot -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Sharp knife
Trimming shears
Sheep
Rasp
Disinfectant
Corral

Resources:

Duty: Caring for Sheep	**Duty No.** A
	Task No. 25

Task: Dry off ewes, using appropriate techniques, to ensure future milk productions of ewe.

Achievement Indicators:	The learner:	Yes	No
1.	Weaned lamb -	____	____
2.	For 48 hours took all water and feed (including pasture) away from ewes -	____	____
3.	After 48 hours checked udder periodically -	____	____
4.	Milked her out if necessary -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Ewe with lambs ready to be weaned	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 26

Task: Apply for registration, using appropriate records and forms for proper I.D.

Achievement Indicators: The learner:	Yes	No
1. Filled out registration form for each animal -	____	____
2. Completed this early in the life of the animal -	____	____
3. When registration paper came back from breed secretary, put registration ear tag into animal's ear immediately -	____	____
4. Filed registration for future reference -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Pedigree information about sheep to be registered Registration form Address of breed association Ear tag applicator	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 27

Task: Dispose of unused chemicals and drugs, using appropriate resources, to ensure safety of humans and animals.

Achievement Indicators: The learner:	Yes	No
1. Read label carefully -	____	____
2. Reviewed local, state and federal hazardous waste regulations -	____	____
3. Determined class of content from label -	____	____
4. Determined disposal classifications of container -	____	____
5. Identified alternative disposal procedures based on:		
a. Class of chemical -	____	____
b. Class of container -	____	____
6. Selected appropriate disposal procedure:		
a. Buried -	____	____
b. Incinerated -	____	____
c. Returned to manufacturer for reuse -	____	____
7. Disposed of unused chemicals -	____	____

Criteria: Competence in the task will be recognized when the tasks are completed to meet the requirement of state and local health regulations and in accordance with the product label.

Tools and Equipment:	**Resources:**
Incinerator State and federal hazardous waste management regulations Chemical labels	

Duty: Caring for Sheep	**Duty No.** A
	Task No. 28

Task: Store chemicals, inflammable materials and medications, using appropriate resources, to ensure health and safety of humans and animals.

Achievement Indicators: The learner:	Yes	No
1. Read label for storage requirements -	____	____
2. Prepared the storage area:		
a. Installed a locking mechanism -	____	____
b. Provided recommended temperature, moisture and ventilation -	____	____
c. Installed required warning signs -	____	____
3. Separated items by class or category; e.g., dry chemicals, liquid chemicals, etc. -	____	____
4. Inspected containers for leaks or corrosion -	____	____
5. Attached completed labels to substitute containers -	____	____
6. Took inventory of all items -	____	____
7. Placed items in designated areas -	____	____
8. Locked storage area -	____	____

Criteria: Competence in the task will be recognized when the tasks are completed to meet the requirements of state and local health regulations and in accordance with the product label.

Tools and Equipment:	**Resources:**
Metal cabinet Lock Blank labels Permanent markers	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 1

Task: Plan breeding systems, using appropriate resources, to acquire desirable, heritable characteristics into the herd.

Achievement Indicators: The learner:

	Yes	No
1. Evaluated sheep enterprise goals -	____	____
2. Identified desired heritable characteristics -	____	____
3. Studied possible breeding systems; e.g., inbreeding crossbreeding, and upgrading -	____	____
4. Selected desired breeding system -	____	____
5. Selected breed or breeds -	____	____
6. Planned procedures for implementing breeding system -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Animal breeding references Sheep enterprise goals Inventory of breeding stock	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 2

Task: Select breeding stock, using appropriate records, to improve desirable meat and wool qualities.

Achievement Indicators: The learner:	Yes	No
1. Selected ewe for breeding:		
a. Studied lambing, production, pedigree and health records -	____	____
b. Identified animals possessing desirable physical and production characteristics -	____	____
c. Selected 20% more than the number of animals needed for replacement -	____	____
d. Separated replacement animals -	____	____
e. Reduced replacement animals' feed intake -	____	____
f. Made final selection at the beginning of breeding season -	____	____
2. Selected rams for breeding:		
a. Identified sources of breeding rams -	____	____
b. Studied lambing, production, pedigree and health records -	____	____
c. Identified animals possessing desirable physical and production characteristics -	____	____
d. Selected rams -	____	____
e. Developed an adjustment policy with consignor -	____	____

Duty: Breeding Sheep	**Duty No.** B
	Task No. 3

Task: Keep breeding and lambing records, using appropriate supplies and equipment, to improve the flock.

Achievement Indicators: The learner:

	Yes	No
1. Determined records to be kept and method of summarizing (computer or manual) -	____	____
2. Developed method for collecting data -	____	____
3. Established location for file cabinet, desk and records -	____	____
4. Collected and recorded data -	____	____
5. Summarized and evaluated data monthly -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Record books
Calculator or computer
File cabinet
Desk
Scales
Ear tags

Resources:

Duty: Breeding Sheep	**Duty No.** 8
	Task No. 4

Task: Flush animals, using appropriate resources, to increase lamb crop percentage.

Achievement Indicators: The learner:

	Yes	No
1. Determined date to breed ewes -	____	____
2. Flushed ewes by feeding them one pound of corn per head per day in grain feeder for two weeks prior to breeding -	____	____
3. Moved ewes, during this period, to a good pasture -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Feeder Feed	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 5

Task: Tag ewes, using appropriate equipment, to increase conception rate.

Achievement indicators: The learner:	Yes	No
1. Determined date to breed ewes -	____	____
2. Tagged ewes by shearing wool around dock, a few days prior to breeding -	____	____
3. Sheared wool around udder to make it easier for lambs to nurse when they arrive -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Sheep shearers	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 6

Task: Determine when to breed ewes, using appropriate indicators, to market lambs advantageously.

Achievement indicators:	The learner:	Yes	No
1.	Studied production records to establish weight and age of ewes -	____	____
2.	Reviewed enterprise goals, breeding system and mating system -	____	____
3.	Calculated facilities and equipment capacity -	____	____
4.	Observed animals for signs of being in heat -	____	____
5.	Selected animals in heat with the desired age, weight and physical condition -	____	____
6.	Developed breeding schedule (planned time of lambing) -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Production records Enterprise goals Breeding system Mating system Facilities and equipment inventory	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 7

Task: Determine number of rams needed for sheep flock, using appropriate records and flock size, to maximize conception rate and shorten lambing season.

Achievement Indicators:

The learner:	Yes	No
1. Reviewed ewe inventory and breeding schedule -	____	____
2. Calculated number of ewes to be bred -	____	____
3. Categorized ewes according to size and breeding season -	____	____
4. Identified size of rams needed for each ewe category -	____	____
5. Calculated number of rams needed for ewe flocks by size -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Ewe inventory Breeding schedule	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 8

Task: Mark rams, using appropriate equipment, to maintain accurate breeding records and determine ram and ewe fertility.

Achievement Indicators: The learner:	Yes	No
1. Determined date to breed ewes -	____	____
2. Sheared belly of ram -	____	____
3. Applied harness -	____	____
4. Applied crayon to harness -	____	____
5. Checked harness periodically -	____	____
6. Changed color of crayon every 18 days -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Harness Marking crayon	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 9

Task: Breed ewes, using natural service, to increase flock size.

Achievement Indicators: The learner:

	Yes	No
1. Checked record book for lambing date -	____	____
2. Checked ewe's physical condition -	____	____
3. Inseminated ewe naturally:		
a. Separated ram -	____	____
b. Had veterinarian check ram's semen and general health prior to each breeding season -	____	____
c. Turned ram in with ewes -	____	____
4. Recorded breeding data -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Breeding records Ram	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 10

Task: Arrange pregnancy check for bred ewes, using appropriate techniques and records, to determine pregnant ewes.

Achievement Indicators:	The learner:	Yes	No
1.	Recorded date of breeding -	____	____
2.	Tested 60-90 days after breeding -	____	____
3.	Conducted test:		
a.	Placed ewe on rump -	____	____
b.	Placed tester on body inside rear flank -	____	____
c.	Determined results of test -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Bred ewes Pregnancy tester	

Duty: Breeding Sheep	**Duty No.** B
	Task No. 11

Task: Keep record of due dates for ewes, using appropriate resources, to determine lambing dates.

Achievement Indicators:

The learner:	Yes	No
1. Reviewed breeding date for each animal -	____	____
2. Calculated gestation period -	____	____
3. Identified due dates for each animal -	____	____
4. Recorded due dates -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Breeding dates
Record book
Calculator
Calendar
Gestation chart

Resources:

Duty: Breeding Sheep	**Duty No.** B
	Task No. 12

Task: Select feeder lambs, using appropriate standards, to determine the desired quality of lamb to feed.

Achievement Indicators:

The learner:	Yes	No
1. Identified characteristics of the grades of lamb -	____	____
2. Determined quality of feed available -	____	____
3. Determined market demands -	____	____
4. Identified lambs that met the desired grade based on available feed and market demands -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Feed records Market grades chart	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 1

Task: Prepare ration for sheep, using appropriate equipment, to obtain maximum growth and efficiency.

Achievement indicators: The learner:	Yes	No
1. Identified life stage of animals to be fed -	____	____
2. Identified possible feedstuffs -	____	____
3. Selected feedstuffs to be used -	____	____
Note: Selection should be based on the following factors:		
a. Life stage of animal		
b. Availability		
c. Cost		
d. Ease of feeding		
e. Nutritional value		
4. Calculated amount of ingredients required (balance the ration) -	____	____
5. Mixed ingredients -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Feed ingredients Scales Mixing and grinding equipment	Feed publications

Duty: Feeding Sheep	**Duty No.** C
	Task No. 2

Task: Prepare sheep feeding records, using appropriate resources, to determine profitability of enterprise.

Achievement Indicators:

The learner:	Yes	No
1. Determined records to be kept:		
a. Total grain consumed -	____	____
b. Total commercial feed used -	____	____
c. Total pounds of lamb produced -	____	____
d. Beginning and ending inventories -	____	____
2. Made record entries either for total enterprise or by stage of life cycle -	____	____
3. Calculated amount and cost of feed fed per pound of lamb produced -	____	____

Note: This can be done per animal or by enterprise.

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Record forms Feed inventory records Sheep feeding data	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 3

Task: Select feeding methods, using appropriate procedures, to increase labor efficiency.

Achievement Indicators: The learner:	Yes	No
1. Identified kinds of sheep to be fed -	____	____
2. Calculated number of animals to be fed -	____	____
3. Identified kind of ration to be fed -	____	____
4. Evaluated availability and cost of equipment -	____	____
5. Identified applicable feeding systems -	____	____
6. Evaluated applicable feeding systems -	____	____
7. Selected feeding system -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Financial records	Feeding publications Feeding equipment publications

Duty: Feeding Sheep	**Duty No.** C
	Task No. 4

Task: Calculate cost of gain on feeder lambs operation, using appropriate records, to determine profitability of enterprise.

Achievement Indicators: The learner:	Yes	No
1. Calculated pounds of total gain per lamb or group of lambs -	____	____
2. Adjusted total pounds of gain for death loss -	____	____
3. Calculated amount and value of total feed consumed per lamb or group of lambs -	____	____
4. Calculated all non-feed components per lamb or group of lambs including labor, utilities, housing, bedding, and equipment -	____	____
5. Added total cost of feed consumed and total non-feed cost -	____	____
6. Divided total cost by total pounds gained to obtain cost per pound of gain -	____	____
7. Recorded actual adjusted total pounds of gain -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Financial records Production records	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 5

Task: Calculate cost of rations and feed mixtures, using appropriate resources, to determine least cost for optimum efficiency.

Achievement Indicators: The learner:	Yes	No
1. Listed feed ration ingredients or commercial feeds fed -	____	____
2. Calculated cost per pound of feed ingredients used or cost of commercial complete mixed ration -	____	____
3. Multiplied pounds of each feed ingredient in ration by value of ingredient per CWT, or multiplied required pounds of commercial complete ration by cost per pound -	____	____
4. Summed the cost of all ingredients for total cost of ration -	____	____
5. Recorded and verified total cost of rations and feed mixtures -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Ration ingredient price list Quantity and weight conversion table List of feed ration ingredients	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 6

Task: Creep feed lambs-ration, using appropriate facilities, to maximize gains.

Achievement Indicators: The learner:	Yes	No
1. Provided area where lambs could get, but ewes could not enter -	____	____
2. Provided creep gate that lambs could move through easily -	____	____
3. Provided lamb grain and hay feeder that lambs could reach -	____	____
4. Provided fresh bedding -	____	____
5. Provided heat bulb in creep area, in cold weather -	____	____
6. Started feeding an 18% protein in the creep -	____	____
7. Gave lambs third cutting alfalfa hay -	____	____
8. Cleaned out unused feed daily -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Lamb feeders
Creep area gate
Creep feed
Heat lamp

Resources:

Duty: Feeding Sheep	**Duty No.** C
	Task No. 7

Task: Implant feeder lambs with growth stimulants, using approved methods, to maximize weight gain.

Achievement Indicators:	The learner:	Yes	No
1.	Restrained animal -	____	____
2.	Selected implant site - about 1" from the base of the ear -	____	____
3.	Placed point of needle at implant site at approximately a 30° angle towards base of the ear -	____	____
4.	Penetrated the skin the full length of the needle -	____	____
5.	Withdrew needle slightly -	____	____
6.	Expelled pellets of implant material into pocket created by needle penetration -	____	____
7.	Withdrew needle -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Implant material Implant gun	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 8

Task: Feed lambs using self-feeder to decrease labor input.

Achievement Indicators: The learner:	Yes	No
1. Verified feed holding capacity of self-feeder -	____	____
2. Calculated number of lambs that can be fed by the feeder -	____	____
3. Moved feeder to desired feeding location -	____	____
4. Filled self-feeder with feedstuffs -	____	____
5. Set adjustments to prevent feed wastage -	____	____
6. Observed lambs to see if they were using feeder correctly and receiving desired quantities of feed -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Self-feeder Hand tools for adjustments Feedstuff	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 9

Task: Adjust feeders for sheep, using appropriate method, to ensure adequate feed.

Achievement Indicators:

The learner:	Yes	No
1. Examined feeder to determine food waste -	____	____
2. Read owner's service manual for adjustment instructions -	____	____
3. Selected hand tools -	____	____
4. Adjusted feeder -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Owner's service manual Hand tools Lubricating material	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 10

Task: Determine feeding and watering space requirements, using appropriate resources, to ensure proper feed and water intake.

Achievement Indicators: The learner:	Yes	No
1. Calculated feeder space requirements for one animal -	____	____
2. Calculated watering space requirements for one animal -	____	____
3. Determined number of animals to be fed and watered -	____	____
4. Multiplied total number of animals by feeder space requirements for one animal -	____	____
5. Multiplied total number of animals by watering space requirements for one animal -	____	____
6. Recorded feeding and watering space requirements based on calculations -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
References Feeders Waterers Calculator	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 11

Task: Examine feedstuffs for mold and spoilage, using proper techniques, to ensure health of animal.

Achievement Indicators: The learner:	Yes	No
1. Examined feedstuffs for off color, hot areas, or sprouted grains -	____	____
2. Inspected grain using a black light -	____	____
3. Measured the moisture content of feed or feed ingredients -	____	____
4. Removed molded, spoiled and contaminated feed and feed ingredients from storage areas -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Black light Moisture meter Feedstuffs Grain probe	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 12

Task: Service bulk feed handling equipment, using approved methods, to extend life of equipment.

Achievement Indicators: The learner:	Yes	No
1. Reviewed owner's service manual -	____	____
2. Observed bulk feed handling equipment in operation -	____	____
3. Removed all dirt and feed particles -	____	____
4. Inspected all moving and nonmoving parts -	____	____
5. Identified worn or broken parts that need replacing -	____	____
6. Obtained replacement parts -	____	____
7. Made repairs and adjustments -	____	____
8. Lubricated moving parts -	____	____
9. Insured equipment is operating -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Service manual Adjustable wrenches Lubricant Repair parts Grease gun Broom or brush Shovel	

Duty: Feeding Sheep	**Duty No.** C
	Task No. 13

Task: Service grinding and mixing equipment, using approved methods, to extend life of equipment.

Achievement Indicators: The learner:	Yes	No
1. Reviewed owner's service manual -	____	____
2. Observed grinding and mixing equipment in operation -	____	____
3. Removed all dirt and feed particles -	____	____
4. Inspected all moving and nonmoving parts -	____	____
5. Identified worn or broken parts that need replacing -	____	____
6. Obtained replacement parts -	____	____
7. Made repairs and adjustments -	____	____
8. Lubricated moving parts -	____	____
9. Insured grinding and mixing equipment is operating -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Adjustable wrenches
Service manual
Lubricant
Repair parts
Grease gun
Broom or brush
Shovel

Resources:

Duty: Feeding Sheep	**Duty No.** C
	Task No. 14

Task: Order feed, using appropriate procedures, to maintain proper inventory.

Achievement Indicators:	The learner:	Yes	No
	Contract Grower		
1.	Monitored feed supply at farm -	____	____
2.	Placed order for feed one or two working days prior to scheduled pickup, specifying type, quantity, and date needed -	____	____
	Independent Grower		
1.	Negotiated a feed supply contract with feed manufacturer or supplier -	____	____
2.	Monitored feed inventory level -	____	____
3.	Placed order for feed one or two working days prior to scheduled pickup -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Low feed inventory Phone Feed manufacturer/supplier	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 1

Task: Examine sheep for external parasites, using appropriate resources, to ensure the health of the sheep.

Achievement Indicators: The learner:

	Yes	No
1. Observed sheep's appearance, thriftiness and haircoat -	____	____
2. Isolated animals that show symptoms of external parasite infestation -	____	____
3. Closely examined animal to identify parasitic organism -	____	____
4. Identified stage of organism's life cycle -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Reference (current recommendations for external parasite control)
Isolation quarters
Rubber gloves

Resources:

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 2

Task: Dip sheep, using appropriate equipment, to ensure the health of the sheep.

Achievement Indicators: The learner:	Yes	No
1. Placed dipping tank at end of chute -	____	____
2. Prepared solution and placed in tank -	____	____
Caution: Manufacturer's specifications must be strictly adhered to.		
3. Confined sheep in funnel of hopper section of chute -	____	____
4. Donned protective clothing -	____	____
5. Opened cutting gate and worked sheep down chute to dipping tank -	____	____
Caution: To avoid panic, work cutting gates at both ends of chute. As one animal is moved into the solution, another should be allowed to enter the chute.		
Note: Keep sheep in solution for one minute. Head of sheep must be fully emersed twice.		
6. Stirred solution at regular intervals -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Dipping tank Dip Sheep Confining area Protective clothing	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 3

Task: Dust sheep, using appropriate equipment, to control external parasites.

Achievement indicators:

The learner:	Yes	No
1. Donned protective clothing -	____	____
2. Prepared dusting material according to manufacturer's specifications -	____	____
3. Confined sheep in a well-ventilated area -	____	____
4. Applied dusting material as per the manufacturer's recommendations -	____	____

Caution: Misuse of pesticides may result in illness and/or death of animals.

Note: Treat the animals on a regular schedule to prevent the recurrence of parasites.

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:

Dusting equipment
Dusting compound (pesticide)
Sheep
Confinement area (well-ventilated)
Protective clothing

Resources:

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 4

Task: Spray sheep, using appropriate equipment, to control external parasite.

Achievement Indicators: The learner:	Yes	No
1. Donned protective clothing -	____	____
2. Prepared spray solution according to manufacturer's specifications -	____	____
3. Confined the sheep in a well-ventilated area -	____	____
4. Kept the spray thoroughly mixed -	____	____
5. Applied spray material as per the manufacturer's recommendations -	____	____

Caution: Don't breathe spray mist.

Note: Treat animals on a regular schedule to prevent the recurrence of parasites.

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Spraying equipment Spray material (pesticides) Well-ventilated confining area Protective clothing	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 5

Task: Examine sheep for internal parasites, using appropriate resource, to ensure health of the sheep.

Achievement indicators:	The learner:	Yes	No
1.	Observed sheep's appearance, thriftiness and haircoat -	____	____
2.	Considered age of animals to see if they are large enough -	____	____
3.	Collected manure sample for laboratory test -	____	____
4.	Studied laboratory test report -	____	____
5.	Identified sheep with internal parasites -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Specimen containers Shovel Identification labels	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 6

Task: Worm sheep using drenching method, using appropriate resources, to remove internal parasite.

Achievement Indicators: The learner:	Yes	No
1. Secured sheep in a standing position -	____	____
2. Positioned self alongside sheep near the shoulder -	____	____
Note: Some handlers use straddle method.		
3. Placed free hand under sheep's jaw, elevated it slightly -	____	____
Caution: Nose must be level with eye.		
4. Placed nozzle over the tongue of the same side as the operator -	____	____
Caution: The sheep's head should not be pulled back too far or twisted, because liquid could enter the lungs.		
5. Discharged dosage into the sheep's mouth, forcing it to swallow -	____	____
6. Released the animal -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Sheep Dose syringe Liquid parasite control Mixing container Confinement	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 7

Task: Worm sheep using pill/bolus method, using appropriate resources to remove internal parasites.

Achievement Indicators: The learner:

	Yes	No
1. Secured sheep in a standing position -	____	____
2. Positioned self alongside the sheep near the shoulder -	____	____
Note: Some handlers use straddle method.		
3. Dipped the pill/bolus in mineral oil -	____	____
4. Placed pill/bolus in balling gun -	____	____
5. Placed free hand under the sheep's jaw, elevated it slightly -	____	____
6. Placed balling gun in the side of the mouth and over the tongue (deep enough so the sheep did not reject it) -	____	____
7. Released the pill/bolus, forcing the animal to swallow it -	____	____
8. Released the animal -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:

Sheep
Balling gun
Pill/boluses
Mineral oil

Resources:

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 8

Task: Collect fecal sample, using appropriate resources, to determine the presence of internal parasite.

Achievement Indicators: The learner:	Yes	No
1. Obtained a clean, wide-mouth jar or plastic bag and tongue depressor -	____	____
Note: Also instruments other than tongue depressor can be used, but it must be clean and disposable.		
2. Located a fresh fecal dropping from the animal in question -	____	____
Note: It can be taken from the anal area of individual animal.		
3. Carefully removed the fecal sample with the tongue depressor and placed sample in jar or bag -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Clean, wide-mouth jar or plastic bag Tongue depressor Fresh fecal sample	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 9

Task: Develop pasture rotation schedule, using appropriate resources to provide an adequate health program on pasture.

Achievement Indicators: The learner:	Yes	No
1. Surveyed entire pasture area -	____	____
Note: Pasture surveys should be done with great care. All wet areas should be noted, along with suggestions for draining them. Take note of how pasture should be divided.		
2. Drew rough map of pasture area and marked in wet areas -	____	____
3. Marked spots for taking soil samples -	____	____
Note: At this time the nutritional value of the soil can be studied. However, two soil samples should be taken at each collection point; one for parasite detection and one for chemical analysis.		
4. Listed location of drinking and feeding troughs -	____	____
5. Calculated the number of sheep each section of pasture can graze -	____	____
Note: Nutritionally deprived animals are more susceptible to parasites than healthy, well-fed animals.		
6. Took soil samples and analyzed -	____	____
7. Listed parasites and prominent locations -	____	____
8. Recorded soil conditions -	____	____
9. Divised rotation plan -	____	____
Note: Plan must prevent a build-up of internal parasites by breaking the life cycle of parasitic organisms.		

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 10

Task: Plan a disease control program, using appropriate resources, to ensure flock health.

Achievement Indicators: The learner:	Yes	No
1. Planned general health program for sheep operation -	____	____
The plan should include consideration of the following areas:		
a. Physical plant design and layout -	____	____
b. Building and equipment sanitation practices -	____	____
c. Modes of transmission for disease organisms -	____	____
d. Handling of animal waste and bedding -	____	____
e. Handling of newly purchased animals -	____	____
2. Identified diseases common to geographic area -	____	____
3. Categorized diseases according to life stage with which they are associated:		
a. Breeding animals -	____	____
b. Lambing to weaning -	____	____
c. Weaning to market -	____	____
d. Feeder lambs -	____	____
4. Identified recommended treatments for common diseases -	____	____
5. Planned specific treatment schedules according to life stage -	____	____
6. Planned a disease control program including routine vaccination -	____	____

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 11

Task: Take sheep's temperature, using appropriate equipment, to determine health condition of the sheep.

Achievement Indicators: The learner:	Yes	No
1. Corralled sick sheep -	____	____
2. Thoroughly disinfected and lubricated thermometer -	____	____
Caution: Diseases can be passed from one sheep to another if thermometer is not properly cleaned and disinfected. A dry thermometer can tear anal tissue, further complicating matters.		
3. Caught and restrained sheep -	____	____
4. Smeared lubricant over anal opening -	____	____
5. Inserted thermometer in anal canal -	____	____
Note: Be sure to insert thermometer far enough. Leave thermometer in for about two minutes then remove.		
6. Released sheep and recorded temperature -	____	____
Caution: Seriously ill sheep should be isolated.		

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Ill sheep Rectal thermometer Lubricant Cloths Corral Disinfectant	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 12

Task: Administer medication by injection, using proper equipment, to ensure health of the sheep.

Achievement Indicators: The learner:	Yes	No
1. Read medication label -	____	____
2. Identified method of injection (intramuscular, subcontaneous, or intravenous) -	____	____
3. Selected large muscle mass; e.g., side or neck -	____	____
4. Cleaned injection site -	____	____
5. Inserted needle -	____	____
6. Injected medication -	____	____
7. Withdrew needle -	____	____
8. Massaged injection area to avoid backtracking of the medication -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Antiseptic Needle Syringe Medication Squeeze chute	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 13

Task: Administer oral medication, using approved equipment, to ensure health of the sheep.

Achievement Indicators: The learner:	Yes	No
1. Prepared sheep's quarters for administering medicine -	____	____
2. Mixed prescribed medication with water in accordance with label instructions -	____	____
3. Cut off other sources of water -	____	____
4. Provided access to water containing prescribed medication -	____	____
5. Observed sheep to ensure consumption of medication over the correct time span -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Water medicator Measuring containers Sheep waterers Agitating device Oral medication	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 14

Task: Apply medication to cuts and bruises, using appropriate equipment, to treat the sheep.

Achievement Indicators:

The learner:	Yes	No
1. Inspected sheep for cuts or bruises -	____	____
2. Separated injured animals from herd -	____	____
3. Consulted with the veterinarian -	____	____
4. Obtained recommended medication -	____	____
5. Restrained animal -	____	____
6. Cleaned injured area -	____	____
7. Applied medication -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:

Squeeze chute or snare
Medication
Soap
Water
Clean cloth

Resources:

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 15

Task: Treat sheep for contagious diseases, using appropriate equipment, to ensure flock health.

Achievement Indicators:	The learner:	Yes	No
1.	Observed sheep's appearance, thriftiness and temperament -	____	____
2.	Isolated animals suspected of having a contagious disease -	____	____
3.	Contacted veterinarian for diagnostic assistance -	____	____
4.	Collected blood sample, for analysis -	____	____
	Note: This process usually is performed by the veterinarian.		
5.	Identified disease to be treated -	____	____
6.	Obtained correct medication in accordance with veterinarian's recommendation -	____	____
7.	Administered medication in accordance with manufacturer's specifications and veterinarian's recommendations -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Isolation facility Specimen container Veterinary recommendations	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 16

Task: Treat sheep for scours, using appropriate equipment, to ensure flock health.

Achievement Indicators: The learner:	Yes	No
1. Observed sheep to determine which ones needed treating -	____	____
2. Segregated affected animals -	____	____
3. Obtained fecal sample -	____	____
4. Sent sample to veterinarian for analysis -	____	____
5. Identified causitive organism -	____	____
6. Selected medication in accordance with veterinarian's recommendations -	____	____
7. Administered medication orally or by injection in accordance with veterinarian's recommendations -	____	____
8. Observed sheep two to three times daily to evaluate effectiveness of treatment -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Facility to segregate affected animals Specimen container Medication Medication dispenser (oral or injection) Holding equipment	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 17

Task: Vaccinate animals, using appropriate equipment, to prevent flock disease.

Achievement Indicators:	The learner:	Yes	No
1.	Separated sheep from herd -	____	____
2.	Restrained sheep in squeeze chute or sheep holder -	____	____
3.	Read vaccine label carefully -	____	____
4.	Prepared vaccine and loaded syringe in accordance with veterinary recommendations -	____	____
	Caution: Check syringe for air bubbles.		
5.	Selected injection site -	____	____
6.	Cleaned injection site -	____	____
7.	Inserted needle two-thirds the length of needle -	____	____
8.	Injected vaccine -	____	____
9.	Withdrew needle -	____	____
10.	Massaged injection area to avoid backtracking of the vaccine -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with the product labels.

Tools and Equipment:	**Resources:**
Squeeze chute or sheep holder Syringe Needle Alcohol Vaccine	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 18

Task: Castrate lamb, sharp-knife method, using appropriate equipment, to prepare for the feedlot.

Achievement Indicators: The learner:	Yes	No
1. Secured and disinfected tools and working area -	____	____
2. Caught and positioned the lamb in the rump-down position -	____	____
Note: Lamb must be restrained with head and back against handler, with scrotum easily accessible.		
3. Disinfected the scrotum area -	____	____
4. Examined the scrotum to see if both testicles were present -	____	____
5. Held the scrotum in such a manner as to push the testicles up from the lower one third -	____	____
6. Cut off the lower one third of the scrotum -	____	____
7. Gently pulled out the testicles until they were fully exposed -	____	____
8. Severed the spermatic cord -	____	____
Note: If the cords are severed with a knife, use a rasping motion.		
9. Controlled bleeding -	____	____
10. Treated the wound with a fly-repellent -	____	____
11. Placed the animal in a holding pen for observation -	____	____

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 19

Task: Castrate lamb, using emasculator, using appropriate equipment, to prepare for the feedlot.

Achievement Indicators: The learner:	Yes	No
1. Secured and disinfected tools and working area -	____	____
2. Caught and positioned lamb in the rump-down position -	____	____
3. Disinfected the scrotum area -	____	____
4. Clamped emasculator over spermatic cords, cutting them -	____	____
5. Left emasculator in place for 30 seconds to achieve a better closure of the blood vessels -	____	____
6. Treated the area with disinfectant and fly-repellent -	____	____
7. Placed animal in a holding pen for observation -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Working area; lamb; fly-repellent; disinfectant; blood stop powder; holding area; emasculator	

Duty: Maintaining Sheep Health | **Duty No.** D | **Task No.** 20

Task: Castrate lamb using elastrator, using appropriate equipment, to prepare lamb for the feedlot.

Achievement Indicators: The learner:

	Yes	No
1. Placed new band in the elastrator -	____	____
2. Caught and positioned animal in the rump-down position -	____	____
3. Manipulated the scrotum until the testicles are toward the lower end -	____	____
4. Slipped the band over the scrotum -	____	____
5. Placed the band above the testicles but below the two rudimentary teats at the top of the scrotum -	____	____
6. Released the band -	____	____
7. Checked the band's placement -	____	____

Note: If the band is improperly placed, simply remove it by cutting with a knife, and then apply a new band.

Caution: Check the animals regularly for infection after band application.

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Lamb; holding area; working area; elastrator; elastrator bands

Resources:

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 21

Task: Dock lamb using sharp-knife method, using appropriate equipment, for improving flock health.

Achievement Indicators:	The learner:	Yes	No
1.	Corralled lambs -	____	____
2.	Caught and positioned lamb -	____	____
3.	Disinfected area to be incised -	____	____
4.	Cut up 1-1½" from tail, one stroke -	____	____
5.	Staunch blood -	____	____
6.	Applied fly control -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Sharp knife Disinfectant Lamb Fly control Blood stop powder	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 22

Task: Dock sheep using elastrator band, using appropriate equipment, for improving flock health.

Achievement Indicators: The learner:	Yes	No
1. Corralled lambs -	____	____
2. Placed band on elastrator -	____	____
3. Caught and positioned lamb -	____	____
4. Opened elastrator and placed elastrator on tail with band toward rump -	____	____
5. Released band and removed elastrator -	____	____
6. Applied insecticide -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Elastrator Fly control powder Bands Lamb	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 23

Task: Treat bloated animals, using approved method, to ensure the health of the sheep.

Achievement Indicators: The learner:	Yes	No
1. Determined the critical status of the bloated animal -	____	____
a. Size of midsection extension -	____	____
b. Exhibited discomfort -	____	____
2. Administered aid -	____	____
a. Stood and moved animal -	____	____
(1) positioned speculum -	____	____
(2) passed stomach tube -	____	____
(3) poured in anti-foam agent -	____	____
(4) allowed release of gas -	____	____
b. Prostrated and unable to rise -	____	____
(1) inserted trocar -	____	____
(2) adjusted cannula for release of gas -	____	____
3. Regulated access to legumes and/or bloat preventing agent -	____	____
4. Recorded on individual health sheet -	____	____

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 24

Task: Isolate newly purchased animals for observation, using approved resources to ensure the health of the flock.

Achievement Indicators: The learner:	Yes	No
1. Cleaned and disinfected isolation quarters -	____	____
2. Placed newly purchased animal in isolation quarters -	____	____
3. Provided water and feed -	____	____
4. Tested animal for disease -	____	____
5. Introduced market lambs or others with animal purchased -	____	____
6. Observed for change in health condition -	____	____
7. Retested for disease if problems occur -	____	____
8. Moved newly purchased animal to herd -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Pen or pasture Water supply Feed supply Shelter	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 25

Task: Separate sick, weak or injured animals, using appropriate equipment, to ensure the health of the flock.

Achievement Indicators: The learner:	Yes	No
1. Identified sick, weak or injured animals -	____	____
2. Determined extent of sick, weak or injured condition -	____	____
3. Moved animals away from other animals -	____	____
Note: The physical condition of the animal may require the use of tractor and carriage.		
4. Provide quarters for animals taking into consideration -	____	____
a. Temperature of quarters -	____	____
b. Water supply -	____	____
c. Feed supply -	____	____
d. Bedding -	____	____
e. Ventilation -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Tractor Tractor carriage Rope	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 26

Task: Dispose of dead animals, using appropriate resources, to maintain a proper flock health.

Achievement Indicators: The learner:	Yes	No
1. Removed dead animals from building or pasture -	____	____
2. Buried animals or placed in incinerator -	____	____
Note: Area where dead animal was lying must be disinfected regardless of disposal procedure selected.		
OR		
3. Called dead disposal service -	____	____
OR		
4. Took dead animals to diagnostic lab -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Shovel; incinerator; rope; post hole digger; wagon; tractor or truck	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 27

Task: Apply insecticides in buildings, using appropriate resources, to maintain flock health.

Achievement Indicators: The learner:	Yes	No
1. Removed animals from buildings -	____	____
Note: May not be required with some chemicals.		
2. Identified type of insecticide needed -	____	____
3. Calculated quantity of insecticide required -	____	____
4. Obtained insecticide -	____	____
Caution: Read carefully insecticide label before spraying.		
5. Placed insecticide in applicator -	____	____
6. Applied insecticide to buildings -	____	____
Note: Read manufacturer's recommendations regarding length of time buildings should be left idle.		

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Measuring containers Insecticide applicator Insecticide Protective clothing	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 28

Task: Disinfect buildings and equipment, using appropriate resources, to maintain flock health.

Achievement Indicators: The learner:	Yes	No
1. Removed all animals from buildings -	____	____
2. Cleaned buildings and equipment -	____	____
3. Selected the disinfectant needed -	____	____
4. Calculated quantity of disinfectant needed -	____	____
5. Washed disinfectant applicator -	____	____
Note: A new applicator may require rinsing with clean water.		
6. Mixed disinfectant solution according to manufacturer's specifications -	____	____
7. Filled applicator with disinfectant solution -	____	____
8. Applied disinfectant solution to buildings and equipment -	____	____
Note: Allow buildings to remain idle three days to three weeks before using again.		

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Bucket; measuring container; disinfectant applicator (sprinkling can or pressure sprayer); rubber gloves; rubber boots; protective glasses	

Duty: Maintaining Sheep Health	**Duty No.** D
	Task No. 29

Task: Clean sheep pens and housing, using appropriate resources to maintain flock health.

Achievement Indicators: The learner:	Yes	No
1. Swept, dusted and removed cob webs -	____	____
2. Removed foreign materials (soil, manure, straw, etc.) -	____	____
3. Washed and scrubbed all surfaces -	____	____
4. Allowed building to dry -	____	____
5. Disinfected with disinfectant -	____	____

Caution: Follow manufacturer's recommendation.
Wear protective clothing.

Criteria: Competence in the task will be recognized when the achievement indicators are performed in accordance with the state and local regulations and in accordance with product labels.

Tools and Equipment:	**Resources:**
Scraper; broom; shovel; wheelbarrow; water; bucket; rubber gloves; rubber boots; goggles; disinfectant; hose; pressure washer	

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 1

Task: Plan housing for a ewe and lamb operation, using appropriate resources, to ensure protection from elements and facilitate handling.

Achievement Indicators: The learner:	Yes	No
1. Determined size of flock -	____	____
2. Determined needs and location -	____	____
3. Remodeled existing building or constructed new building -	____	____
4. Determined:		
a. Feeding -	____	____
b. Feed storage -	____	____
c. Waterers -	____	____
d. Ventilation -	____	____
e. Lambing jugs -	____	____
f. Creep area -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
	Midwest Sheeps Handbook Housing and Equipment

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 2

Task: Clean and adjust waterers for sheep, using appropriate methods, to ensure adequate water intake.

Achievement Indicators: The learner:	Yes	No
1. Observed water level -	____	____
2. Removed top cover and set float -	____	____
3. Removed drain plug -	____	____
4. Brushed inside clean as water and foreign particles drain out -	____	____
5. Replaced drain plug -	____	____
6. Refilled with water -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Hand tools Long handle brush Owner's service manual	

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 3

Task: Install waterer, using proper techniques, to ensure water supply for flocks.

Achievement Indicators: The learner:	Yes	No
1. Selected site for water source and drinking trough -	____	____
Note: Parasite infestations must be foremost in the mind of one preparing to install waterer. Cement aprons around the water troughs help keep the area clean and dry, therefore, freer of parasites.		
2. Assembled tools and materials at water source -	____	____
Note: Springs, seepage area and natural run-off areas are generally good sources of water. They must be impounded in such a way that they become a year-round reservoir of drinkable water.		
3. Cleaned out area for reservoir at water source -	____	____
4. Dug ditch from reservoir to trough -	____	____
5. Constructed reservoir -	____	____
Note: Old bath tubs, water tanks, large drainage tile, etc. may be used as reservoirs. Whatever is used, it is a good idea to have most of the container below ground to prevent hard freezing.		
6. Moved tools and equipment to trough site -	____	____
7. Dug footing for trough and apron. There must be a trickle tube to carry off surplus water -	____	____
8. Built form for trough and apron -	____	____
9. Mixed and poured concrete -	____	____
Note: Be sure to use reinforcement mesh or rods -	____	____
10. Laid plastic pipe from trough to source of water -	____	____

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 4

Task: Install self-feeders, using appropriate procedures, to decrease labor requirements.

Achievement Indicators: The learner:	Yes	No
1. Calculated volume of feed required -	____	____
2. Calculated number of feeders needed -	____	____
3. Identified areas for feeders to be placed -	____	____
4. Moved feeders to designated areas -	____	____
5. Prepared area for feeder, either concrete or wooden platform -	____	____
6. Anchored feeder -	____	____
7. Filled feeder -	____	____
8. Adjusted feeder -	____	____
9. Observed animals to ensure proper use -	____	____
10. Inspected for feed wastage -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Sheep inventory or feedlot count; adjustable wrenches; tractor; chain or rope; level; anchors; masonry drill	

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 5

Task: Build lamb creep feeder, using appropriate materials, to provide adequate feeding space.

Achievement Indicators: The learner:	Yes	No
1. Selected location for lamb creep feeder -	____	____
Note: Location must be on flat, well-drained land that is easily accessible to lambs -	____	____
2. Assembled tools and materials -	____	____
3. Placed 2 x 6 x 12s parallel and 8' apart -	____	____
4. Sawed 45° angles on each end of 2 x 6 x 12s forming sled runners on each end of lamb creep feeder -	____	____
5. Crossed brace runners -	____	____
6. Measured in 6" from top of runners and toe nail 2 x 4 x 30" pieces forming corner posts. Post must form a 90° angle with runners -	____	____
7. Selected two 1 x 6 x 8s and joined two runners together by nailing pieces to 2 x 4 corner posts on both ends -	____	____
8. Selected two 2 x 6 x 8s and nailed to runners just inside corner posts, forming crossties -	____	____
9. Removed cross braces -	____	____
10. Selected 2 x 4s and built four frames, each 30" by 30" -	____	____
11. Selected two 1 x 4 x 11s and nailed to top of posts, parallel to sled runners -	____	____
12. Measured 24" in from corner posts and nailed frames to runners and top pieces parallel to runners -	____	____
13. Selected eight 1 x 6 x 8s and nailed to posts walling in both ends of feeder -	____	____
14. Cut 18 pieces of 1 x 6 and wall in sides of feeder, leaving frames open. There should be a six inch space between them -	____	____

	The learner:	Yes	No
15.	Marked place for holes in top and bottom of frame for placement of rollers -	____	____
16.	Drilled ½" holes in top and bottom of frame at points marked for rollers -	____	____
17.	Determined center of roller and drive 3/8" rod into one end of roller and insert rod into ½" hole in bottom of creep feeder -	____	____
18.	Squared roller and drove rod in top end. Roller must be square and must roll freely -	____	____
19.	Installed all rollers. There can be no more than 13" between centers of rollers -	____	____
20.	Located center of 2 x 6 x 8 crossties and mark -	____	____
21.	Selected two 1 x 8 x 11s and nailed them to crossties, used the center mark to butt edges together, forming 16" flat surface -	____	____
22.	Selected three 1 x 4 x 11 and nailed 1 x 4 on each side 16" flat surface forming trough -	____	____
23.	Nailed one 1 x 4 x 11 down center or 16" flat surface, forming trough -	____	____
24.	Selected 2 x 4 x 11 feet and nailed to both marks located Step 23, forming ridge pole -	____	____
25.	Selected two 1 x 12 x 11s and cut a 45° level along one edge of board -	____	____
26.	Formed hopper over trough by angling 1 x 12 x 11s so that leveled edges aligned with top edge of 1 x 4 x 11 running down middle of trough. There was 1" space on both sides of 1 x 4 x 11 and the leveled edge of the 1 x 12 x 11s -	____	____
27.	Selected two 1 x 12 x 11s and cut level lengthwise on one side of each board -	____	____
28.	Placed leveled sides of boards together and screwed strap hinges in place, forming roof for hopper -	____	____
29.	Put hopper roof in place. Each side of roof would lift freely to allow feed to be poured into hopper -	____	____

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 6

Task: Build hay and grain bunk, using appropriate materials, to provide adequate feed space.

Achievement Indicators: The learner:	Yes	No
1. Assembled tools and materials -	____	____
2. Formed floor of bunk by cutting a hexagonal figure from plywood. Sides of hexagonal figure must be 24" each -	____	____
3. Cut a 2" x 2" notch to the right of each corner of hexagonal piece -	____	____
4. Cut 3 pieces of 2" x 4" thirty inches long and ripped them, forming 2" x 2"s -	____	____
5. Attached a 2" x 2" in each notch of bunk floor, forming frame structure -	____	____
6. Secured 5 pieces of 1" x 8" x 24" around bunk floor and 2" x 2" frame -	____	____
7. Attached five 1" x 4" x 24"s around top of 2" x 2" frame -	____	____
8. Determined center of each side of structure and nailed 27" strip of 1" x 2". Strip must be perpendicular at top and bottom -	____	____
9. Cut five triangles from plywood and attached them to all five corners at the top of structure -	____	____
10. Attached two 2 x 4 x 32½" braces across bottom of bunk -	____	____

Note: This is only one of many different configurations of hay and grain bunks. This one was chosen because it was most common through the area of the survey.

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 7

Task: Build salt and mineral boxes, using appropriate materials, to provide adequate minerals for flock.

Achievement Indicators: The learner:	Yes	No
1. Assembled tools and materials at work site -	____	____
2. Placed two 2 x 4 x 12s three feet apart and parallel -	____	____
Note: It is suggested that pressure treated lumber be used for this part of the structure.		
3. Measured in one foot from each end of 2 x 4 x 12s and attached 3 x 3s crossties, forming base. All angles must be square -	____	____
4. Attached 2" x 8" x 28"s to cross members, forming uprights. Uprights must be perpendicular to crossties -	____	____
5. Formed bottom of trough by attaching 1" x 8" x 9'9" board to both uprights -	____	____
6. Attached two 1' x 20" x 10" pieces to upright, forming back of trough -	____	____
7. Attached 1 x 6 x 10' piece forming front of trough -	____	____
8. Braced trough by attaching a 2' x 8" x 20" upright in center -	____	____
9. Formed roof supports by attaching 1" x 6" x 26" pieces to top of uprights -	____	____
Note: Roof support should be pitched to allow water to run off.		
10. Attached five 1" x 3" x 12' pieces to roof supports forming sheathing for roof -	____	____
11. Nailed roofing on -	____	____

Duty: Maintaining Sheep Health	**Duty No.** E
	Task No. 8

Task: Build cutting chute, using appropriate materials, to ensure labor efficiency.

Achievement Indicators: The learner:	Yes	No
1. Laid out outside perimeter of confinement area. Entrance to confinement area must be 24 feet wide and taper to an 18" exit gate -	____	____
Note: From a plan view, chute will look like a large funnel with the top or open area being used to confine sheep and a straight chute leading out of the confinement area where sheep can be driven in single file. The confinement area is partitioned with a 12 foot gate separating the "crush pen" from the confinement area.		
2. Laid out chute area complete with gates -	____	____
3. Located place for 12' gate separating holding compound from crush pen -	____	____
4. Located and marked place for each post hole. Post holes must be 8' apart in crush pen and containment area and 4' apart in chute -	____	____
5. Dug post holes. Post holes must be 18" - 24" deep -	____	____
Note: Since structures of this type tend to be permanent, it is best to use pressure treated posts set in concrete.		
6. Set posts. Posts should extend 30" above ground -	____	____
7. Built 12 foot farm gate to separate holding area and crush pen. Gate must open away from crush pen and chute -	____	____
8. Hung crush pen gate. Gate must not sag or bind -	____	____
9. Built and hung gate separating crush pen and chute -	____	____
10. Built and hung cutting gates. Cutting gates must open into chute -	____	____
Note: The number of cutting gates is dictated by the number of activities required.		

The learner:	Yes	No
11. Cut and nailed 1" x 6" boards to inside of posts in crush pen and containment area. A 6 inch space must be kept between each board -	____	____
12. Boarded up inside of chute posts using smooth boards. Inside walls of chute must be smooth -	____	____

Note: Exterior grade plywood may be used in place of 1" x 6"s.

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Quantity of 1" x 6" lumber; 100' tape measure; fence posts (treated); gate springs; post hole digger; post hole digger bar; carpenter's square; hammer; nails; screws; screw driver

Resources:

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 9

Task: Build portable loading chute, using appropriate materials, to increase labor efficiency.

Achievement Indicators: The learner:	Yes	No
1. Assembled tools and materials at work site -	____	____
2. Placed two 1" x 12" x 6' boards parallel on saw horses -	____	____
3. Fastened two 1" x 4" x 21½" pieces across both ends 1" x 12" x 6' pieces, forming floor of portable loading chute -	____	____
4. Measured in one foot from each corner on one side and bolted 2" x 3" x 7" blocks into place -	____	____
Note: When the sides are folded in for storage, the side with the blocks will lap over the other side.		
5. Fastened a 4" butt hinge atop each 2" x 3" x 7" block -	____	____
6. Placed all eight pieces of 1" x 1" x 21½" pieces equidistant on floor of chute and fastened them in forming treads -	____	____
Caution: There must be no sharp edges which might damage sheep's hooves.		
7. Selected six 1" x 2" x 24" pieces and drilled four ¼" bolt holes in each. Top hole must be 2" from end, second and third holes must be 5" apart and the fourth hole must be 7" from the third hole -	____	____
8. Selected two 1" x 6" x 6' pieces and fastened them to each side of the floor using 4" butt hinges -	____	____
9. Selected six 1 x 4 x 6" pieces and drilled three ¼" bolt holes in each -	____	____
10. Drilled three ¼" holes in 1" x 6" x 6' pieces attached to floor by hinges -	____	____
11. Fastened all six 1" x 2" x 24" drilled pieces to 1" x 6" x 6' hinged to floor -	____	____

The learner:	Yes	No
12. Formed sides of portable loading chute by attaching 1" x 4" x 6' pieces to the 1" x 2" x 24" pieces -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Saw; 6 ft. tape; electric drill; hinges; 2 ea. 1" x 12" x 6'; 2 ea. 1" x 4" x 21½"; 8 ea. 1 x 1 x 21½"; 2 ea. 1 x 1 x 17"; 2 ea. 2 x 3 x 7"; 6 ea. 1" x 4" x 6'; 2 ea. 1" x 6" x 6'; 6 ea. 1 x 2 x 24"; 4 ea. 4" butt hinges; saw horses; wood screws; 2 8" crescent; drill bits; metal strap; bolts; nuts; 24 ea. ½" x 2" bolt; 4 ea. 1/8" x 4" x 4" steep plate; washer; 12 ea. ½" x 1½" bolts; 6 ea. ½" x 2" bolts; 12 ea. ½" x 4" bolts; 2 ea. ½" x 2" x 14" straps; 4 ea. 3/16" x 1" x 5" straps; 2 ea. 3/8" x 1½" bolts; 2 ea. 3/8" x 1" rod; nails

Resources:

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 10

Task: Build trimming stand, using appropriate resources, to facilitate trimming of show animals.

Achievement Indicators: The learner:	Yes	No
1. Assembled parts and equipment -	____	____
Note: When securing the 2 x 2 x ½" angle for the legs of the trimming stand, it may be more expedient to have the supplier cut a 45° angle on one end of each piece and a ½" bolt hole on the opposite end of each piece.		
2. Assembled both 2 x 6 x 3'7½" pieces with both 1 x 6 x 21" pieces forming platform of trimming stand -	____	____
3. Attached 8" x 4½" sheet metal pieces to each corner -	____	____
4. Placed 2 x 6 x 6" block in corners of one end of blocking stand platform and nailed into place. There must be 5 3/4" space between blocks -	____	____
5. Selected 1 x 6 x 17 3/4" piece and nailed to inside of 2 x 6 x 6" blocks -	____	____
Note: Completion of Step No. 5 forms a channel or slot through which the yoke will be lowered or raised to fit the height of the sheep being trimmed. Some folks assure that the yoke moves freely by waxing the yoke shaft and the slot.		
6. Drilled two bolt holes in yoke end of platform. Holes should be in center of 2 x 6 x 6" blocks already placed in yoke end -	____	____
7. Inserted bolts and tightened -	____	____
8. Drilled ½" hole in center of yoke slot. Hole must penetrate both boards forming slot -	____	____
9. Drilled bolt holes for legs -	____	____
10. Used four 3/8" x 2½" bolts, fastened legs in place -	____	____
11. Cut yoke out and installed in slot -	____	____

The learner:	Yes	No
12. Fastened yoke collar -	____	____
13. Formed floor for trimming stand platform by nailing 1 x 12 x 21" shiplap in place -	____	____
14. Nailed hardware cloth in place -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

4 ea. 2" x 2" x 1/8" angle 20" long; 2 ea. ¼" x 3/4" x 17½" strap; 4 ea. 3/8" x 2½" bolts; 3 ea. 3/8" x 4" bolts; 4 boards 1" x 12" x 21" shiplap; 2 boards 2" x 6" x 3' 7½"; 1 board 1" x 6" x 17 3/4"; 2 boards 1" x 6" x 21"; carpenter's square; 2 blocks 2" x 6" x 6"; 1 board of 2" x 10" x 32"; 4 straps 8" x 4½" 28 gauge; 1 piece 21" x 3' 9", ½ hardware cloth; hammer; 2 ea. 8" crescent wrenches; staples; nails

Resources:

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 11

Task: Build lambing complex, using appropriate resources, to maximize labor resources.

Achievement Indicators: The learner:	Yes	No
1. Selected area in which lambing complex is to be built -	____	____
2. Removed all obstruction, cleaned and sanitized area -	____	____
3. Assembled all materials, tools and supplies -	____	____
4. Selected corner where complex is to begin -	____	____
5. Plumbed and scribed a verticle line 5 feet from corner -	____	____
6. Plumbed and scribed verticle lines down wall in opposite direction from line scribed in Step No. 5. Numbered each line 1, 2, 3, 4, etc. -	____	____
7. Fastened 3 gate hinges on line scribed in Step No. 5. Hinges must open away from ewe stall -	____	____
8. Sawed 1" x 6" lumber into 5' lengths -	____	____
9. Built wooden farm gates -	____	____
10. Fastened wooden farm gate to hinges. Gate must not sag -	____	____
11. Fastened gate to lines 1, 2, 3, 4, etc. -	____	____
Note: You may build as many lambing stalls as you need or as many as your space allows.		
12. Faced wall with gates attached to lines 1, 2, 3, 4, etc., fastened 3 gate hinges to each gate on your right -	____	____
13. Fastened gates to each unit of 3 hinges. When hinged gates are closed, each lambing stall must be 5' x 5' -	____	____
Note: Depending on how close each wall attached gate is to the ground, there may be a need to anchor each wall-attached gate with wood wedges. Be sure that wedged gates form a 90° angle with the wall.		

The learner:	Yes	No
14. Attached latches to each swinging gate -	____	____
15. Installed hay rack to wall-mounted gates in hinged corner -	____	____
16. Positioned water container -	____	____
Note: Place water container so that it can be replenished without opening gate -	____	____
17. Spread bedding -	____	____
18. Supplied hay to hay feeders -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Barn or shed; watering pan; quantity of 1" x 6" lumber; hay feeders or racks; straw; hay; hammer; nails; screws; gate hinges

Resources:

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 12

Task: Build electric fence (sheep type), using appropriate resources, to maintain sheep in a given area.

Achievement Indicators: The learner:	Yes	No
1. Determined fence line -	____	____
Note: This type of fence is built to keep sheep in and predators out. When built as suggested here, it works well. This same system can be modified to fit an existing fence. Since sheep's wool acts as an insulator, it will be necessary to teach sheep to respect electric fences. This can be done by enticing sheep into charged wires within a few days after sheep have been sheared.		
2. Distributed all materials and equipment as needed -	____	____
3. Located and marked positions of line posts. Line posts must be approximately 150 feet apart -	____	____
4. Dug post holes and set line posts -	____	____
Note: If possible, use pressure treated posts.		
5. Braced line posts. All braces must be anchored in concrete and in line with line posts -	____	____
6. Set and braced corner posts -	____	____
7. Attached insulators -	____	____
8. Placed spacer posts about 50 feet apart. Spacer posts must extend at least 38 inches above ground -	____	____
Note: Steel, fiberglass or pressure treated wood posts may be used. Fiberglass does not require an insulator.		
9. Drove 4, one inch steel ground rods into ground. Ground rods must extend 5 feet into the ground and be at least 6 inches apart -	____	____
10. Selected gate site and constructed concrete sill under gate -	____	____

E-12

The learner:	Yes	No
11. Hung gate -	____	____
Note: Gate may be purchased ready made or it can be made of 1' x 2" welded wire mesh and aluminum tubing.		
12. Strung wire -	____	____
Note: To be most effective, the first stand must be about five inches to six inches above ground. The next two strands must be 5 inches apart, with the next three strands being 6, 7, and 8 inches apart. Every other wire must be a ground wire. Wire must be 12 or 13 gauge high-tensile galvanized U.S. steel.		
13. Placed an additional charged trip wire around the outside perimeter. Wire must be 8 inches from fence and 6 inches above ground -	____	____
14. Connected all ground wires to ground rods -	____	____
15. Connected all charged wires to energizer -	____	____
16. Energized fence -	____	____
17. Used voltage ohmmeter, checked to see if fence is charged -	____	____
Caution: Hang warning signs along fence.		

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Post hole digger; spud bar; pick; Maddox; 8 lb. sledge hammer; claw hammer; insulators; wire stretchers; level; staples; aluminum tubing; volt meter; ground rods; 12 gauge high tensil; galvanized steel wire; ground terminals; fiberglass posts or steel posts or treated wooden posts; fence controller; steel grounding pipe; 1" x 2" welded wire fence

Resources:

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 13

Task: Apply wastes to fields, using proper procedures and techniques, to ensure public health and adequate waste disposal.

Achievement Indicators: The learner:	Yes	No
1. Applied liquid manure -	____	____
a. Tank spreader -	____	____
b. Irrigation system -	____	____
2. Applied semi-solid manure -	____	____
a. Tank spreader -	____	____
b. Irrigation system -	____	____
c. Semi-solid manure spreader -	____	____
3. Applied solid manure -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Agitation device; tractor; conventional box-type spreader; front-end loader; irrigation and pumping equipment; liquid manure injectors; liquid manure spreader; semi-solid spreaders	

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 14

Task: Build foot bath, using appropriate resources, to adequately treat farm flocks and increase labor efficiency.

Achievement Indicators: The learner:	Yes	No
1. Assembled tools and materials at site location -	____	____
Note: Many sheep producers arrange foot baths at the end of their cutting chute.		
2. Placed three 2 x 4 x 6' boards parallel and 8' apart. Since this will be the base of the structure, care must be taken to select pieces with no faults. Use treated lumber if possible -	____	____
3. Cut six blocks of 2 x 4 four inches long and nailed to ends of all three base pieces -	____	____
4. Placed 2 x 12 x 16' piece down center of base and nailed in place. All corners must be square -	____	____
5. Selected two 1 x 8 x 16' pieces and nailed to sides of 2 x 12 x 16' piece forming sides of trough -	____	____
Note: Some persons paint the outside edges of the 2 x 12 x 16' piece with tar, thereby forming a water tight seal when the 1 x 8 x 16' pieces are nailed on.		
6. Cut two 2 x 6 x 11½" pieces and attached to ends of trough -	____	____
7. Cut six 3'7" pieces of 2 x 4 and cut and 8" chamfer on one end of each piece -	____	____
8. Nailed chamfered ends of 2 x 4s to side of trough at points where 2 x 12 passes over base piece -	____	____
9. Cut six blocks of 2 x 4 x 4" and nailed to base piece and end of chamfers -	____	____
10. Measured down 6" from top of chamfered pieces and mounted 4" strap hinge -	____	____
11. Cut six pieces of 2 x 4 x 3'3" and bolted each to a strap hinge and butt against 2 x 4 x 4" block at tip of base piece forming brace -	____	____

The learner:	Yes	No
12. Selected two 1 x 6 x 16" pieces and nailed to chamfered pieces atop trough -	____	____
13. Cut four pieces of 3/4" exterior grade plywood 24" x 8' and attached to inside of chamfered pieces -	____	____
14. Filled trough with water and tested for leaks -	____	____

Note: Allow time for wood to swell and seal. Any persistant leaks may be caulked.

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

2 ea. 4' x 8', 3/4" exterior grade plywood; 6 ea. 4" strap hinges; 12 ea. 3/8" x 3½" bolts; saw; 46' of 2 x 4' lumber; hammer; drill; nails; caulking compound; tape measure; miter box; 1 ea. 2 x 8 x 16' o-board; 2 ea. 1 x 8 x 16' o-boards; 2 ea. 1 x 6 x 16' o-boards; 1 can of tar; 50 feet of 2 x 4s; 2 ea. 6" crescent wrenches

Resources:

Duty: Maintaining Sheep Facilities	**Duty No.** E
	Task No. 15

Task: Inspect buildings, using proper procedures and resources, to ensure general health and safety.

Achievement Indicators: The learner:	Yes	No
1. Reviewed health and safety regulations -	____	____
2. Identified buildings to be inspected -	____	____
3. Inspected health and safety hazards and needed repairs -	____	____
4. Recorded findings -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Health and safety regulations form for recording information	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 1

Task: Plan marketing schedule, using appropriate resources, to ensure maximum profit.

Achievement Indicators: The learner:	Yes	No
1. Identified available markets -	____	____
2. Reviewed current market prices and future forecasts -	____	____
3. Determined desired weight of market animals -	____	____
4. Calculated total pounds animals need to gain -	____	____
5. Calculated rate of gain per day -	____	____
6. Divided pounds to be gained by gain per day to determine number of days to reach market weight or to identify market date -	____	____
7. Recorded projected market dates -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Scales Calculator Production records Current market reports and forecasts	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 2

Task: Calculate expected returns and profits on sales, using appropriate resources, to make financial decision.

Achievement Indicators: The learner:	Yes	No
1. Itemized and summed cash production expenditures including cost of purchased animals and value of home grown grains -	____	____
2. Itemized and summed noncash production expenditures including depreciation and unpaid labor -	____	____
3. Itemized and summed sources of cash income -	____	____
4. Adjusted cash income and cash production expenses to account for changes in inventory values of animals and production inputs -	____	____
5. Subtracted adjusted cash production inputs from adjusted cash income to obtain net cash returns -	____	____
6. Subtracted noncash production expenses from net cash returns to obtain net returns -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Calculator Financial records Production records Marketing records	

Duty: Marketing Sheep	**Duty No.** F
-	**Task No.** 3

Task: Calculate shrinkage, using appropriate resources, to determine actual market weight.

Achievement Indicators:	The learner:	Yes	No
1.	Weighed lambs at farm -	____	____
2.	Weighed lambs at slaughter time -	____	____
3.	Calculated shrinkage -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Lambs going to market Calculator Scales	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 4

Task: Estimate market grades, using appropriate resources, to meet the demands of the consumer.

Achievement Indicators: The learner:	Yes	No
1. Studied characteristics of each grade -	____	____
2. Learned parts of sheep's body -	____	____
3. Segregated animals to be graded -	____	____
4. Observed animal's characteristics -	____	____
5. Marked animal -	____	____
6. Recorded estimated grade on grading card -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
USDA standard grade chart Compensation chart Colored marker Lamb grading cards Holding pens	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 5

Task: Select markets, using appropriate resources, to maximize profits.

Achievement Indicators:	The learner:	Yes	No
1.	Reviewed market reports from different markets -	____	____
2.	Compared market reports for price -	____	____
3.	Calculated transportation cost, including animal shrinkage for shipping to alternate markets -	____	____
4.	Calculated net price, considering marketing and transportation charges -	____	____
5.	Identified markets offering most advantages -	____	____
6.	Visited with market personnel -	____	____
7.	Verified reliability of markets regarding prompt and correct payment for livestock -	____	____
8.	Selected markets -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Daily market reports Calculator Market schedule	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 6

Task: Sort and mark lambs for market, using appropriate resources, to maximize profits.

Achievement Indicators: The learner:	Yes	No
1. Designated the desired market weight -	____	____
2. Weighed various size animals to use as reference -	____	____
3. Selected lambs according to desired weights -	____	____
4. Marked lambs ready for market -	____	____
5. Separated selected lambs from herd -	____	____
6. Sorted lambs according to grade -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Holding pens Livestock marking pencil Scales	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 7

Task: Cull animals for sale, using appropriate resources, to improve the quality of the flock.

Achievement Indicators: The learner:	Yes	No
1. Planned marketing date -	____	____
2. Sorted animals according to age, condition and background -	____	____
3. Assured that the sheep are:		
a. Castrated -	____	____
b. Vaccinated -	____	____
c. Free of certain drugs -	____	____
4. Arranged transportation -	____	____
5. Preconditioned sheep for stress and shipment -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Pens/pastures Marketing schedule	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 8

Task: Prepare carriers for hauling animals, using appropriate resources, to ensure safety of animals.

Achievement Indicators: The learner:	Yes	No
1. Removed old bedding and foreign materials from truck -	____	____
2. Inspected walls, floors, gates, latches and mechanical parts -	____	____
3. Made repairs -	____	____
4. Prepared clean bedding -	____	____
5. Provided ventilation -	____	____
6. Recorded date and type of repairs made -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Bedding material; hammer; nails; bolts; wrenches; lumber; operator's owner manual	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 9

Task: Load and transport sheep, using appropriate resources, to ensure safety of the sheep.

Achievement Indicators: The learner:	Yes	No
1. Moved sheep from pen into chute -	____	____
2. Led one or two sheep up the chute and partially into the vehicle -	____	____
Note: You may move sheep from chute into the truck by the use of gates, panels, and/or handlers.		
3. Slightly crowded the animals into the truck -	____	____
4. Checked the sheep periodically in transport to prevent injury or suffocation -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Chute with ramp Truck Sheep Handlers	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 10

Task: Consign outstanding animals to sale, using appropriate resources, to promote the farm breeding program.

Achievement Indicators: The learner:	Yes	No
1. Determined the show and/or sale the animal is to be consigned to -	____	____
2. Publicized animal in breed magazine -	____	____
3. Made out entry form on time -	____	____
4. Prepared animal as for fair/show purpose -	____	____
5. Displayed animal at sale -	____	____
6. Had neat attractive pen for animal at sale -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Entry form Equipment to prepare animal for show purpose	

Duty: Marketing Sheep	**Duty No.** F
	Task No. 11

Task: Market wool, using appropriate resources, to maximize flock profit.

Achievement Indicators:

The learner:	Yes	No
1. When shearing the sheep, kept the wool together in one pile -	____	____
2. Removed tags, manure and other foreign material -	____	____
3. If using wool box, tied wool with regular wool twine -	____	____
4. If using wool bag, packed wool tightly -	____	____
5. Stored wool in dry, rodent-free area -	____	____
6. When wool is sold, turned receipt into ASC office for wool payment -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Wool box Wool twine Wool bag	

Duty: Showing Sheep	**Duty No.** G
	Task No. 1

Task: Selected animal for showing, using appropriate resource, to ensure the best quality animal for the show.

Achievement Indicators: The learner:	Yes	No
1. Determined the date the lamb will be shown -	____	____
2. Determined the approximate weight of lamb show day -	____	____
3. Purchased a feeder early enough to be finished at show day -	____	____
4. Purchased lamb from reputable farmer -	____	____
5. Identified the parts of a lamb and what to look for in a market lamb -	____	____
6. Selected a lamb that, when finished, will look as nearly like the ideal lamb as possible -	____	____
7. Checked with farmer about vaccinations and parasite control -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**

Duty: Showing Sheep	**Duty No.** G
	Task No. 2

Task: Prepare lamb, using appropriate equipment, to improve the general appearance of the lamb.

Achievement Indicators: The learner:	Yes	No
1. Performed the washing operation at least three weeks prior to showing -	____	____
2. Set up washing equipment and materials -	____	____
3. Cornered and/or secured animal -	____	____
4. Soaked the lamb with warm water -	____	____
Caution: If the water is too hot, it will burn the lamb and cause the wool to shrink.		
5. Soaped the animal with mild liquid detergent -	____	____
6. Thoroughly washed the flanks, dock, breast and chin -	____	____
7. Rinsed the lamb -	____	____
Note: Repeat the washing procedure if necessary.		
8. Pulled out any knots in the wool with a wool card while the fleece is still wet -	____	____
9. Used a blower or placed the lamb in a clean, well-bedded pen until the fleece dried -	____	____
10. Trimmed hooves -	____	____

Duty: Showing Sheep	**Duty No.** G
	Task No. 3

Task: Trim and shape lamb, using appropriate resources, to properly prepare lamb for show.

Achievement Indicators: The learner:	Yes	No
1. Gathered shearing and shaping tools -	____	____
2. Secured the animal and positioned for shaping -	____	____
3. Visualized the strong points of the animal so shearing can accentuate these points in the shaping process -	____	____
4. Sheared the back, making the first stroke right up the back bone, starting at the dock and moving up to where the neck and shoulders meet -	____	____
5. Blended in the clipped area by working gradually away from the first clip line -	____	____
6. Sheared the wool on the animal's head -	____	____
7. Worked down under the chin and down the front of the breast -	____	____
8. Trimmed around the dock, cutting a straight line under the dock -	____	____
Note: Line should be larger than the width of the dock.		
9. Removed the wool from the center of a "V", making the lower tip of the "V" below the rectum, or on a ewe, below the vulva -	____	____
10. Clipped wool short in the rectal area -	____	____
Note: Anal area can be kept cleaner if it is clipped close.		
11. Positioned the animal in the dock-down shearing stance -	____	____
12. Sheared the belly flank to flank, blending it in with the wool on the sides and chest -	____	____
13. Clean the animal -	____	____
Note: Comb out all clipped wool before washing lamb.		

DO NOT FILM THIS PAGE

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Sheep Shearing tools Shaping tools Blocking tools	

Duty: Showing Sheep	**Duty No.** G
	Task No. 4

Task: Prepare market lamb for showing.

Achievement Indicators:

The learner:	Yes	No
1. Completely sheared lamb one week before show -	____	____
2. Thoroughly washed lamb including flanks and dock with mild soap -	____	____
3. Rinsed well -	____	____
4. Trimmed hooves -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:

Sheep shears
Water
Soap
Hoof trimmers

Resources:

Duty: Showing Sheep	**Duty No.** G
	Task No. 5

Task: Train lamb to lead and stand, using appropriate method, to assure proper ring procedure.

Achievement Indicators:	The learner:	Yes	No
1.	Held the sheep firmly by grasping the wool and loose skin under the chin with one hand -	____	____
	Note: Do not work animals too long at one time. Begin with 3-4 minutes per session and gradually increase session time -	____	____
2.	Placed second hand on the dock to assist in moving the animal -	____	____
3.	Walked the animal on a regular basis, guiding it, exerting pressure through handler's hold and body weight -	____	____
4.	Set the animal up in a "natural position," with head held up, the nose pointed down, and the feet well apart -	____	____
5.	Worked with the animal, getting it accustomed to leading and standing -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Lamb Leash Corral Bucket Treats (if used)	

Duty: Showing Sheep	**Duty No.** G
	Task No. 6

Task: Show lamb, using appropriate resources, to obtain the highest placing.

Achievement Indicators: The learner:	Yes	No
1. Observed the judge, kept the sheep between show person and the judge -	____	____
2. Followed all directions given by the judge -	____	____
3. Moved animal around ring -	____	____
4. Set the animal up in the lineup, made sure sheep's legs were spread out squarely at each corner with no weaknesses appearing in its topline -	____	____
5. Squatted down behind the set-up animal -	____	____
6. Remained alert and kept showing the animal until signaled to exit the ring -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Trained lamb	

Duty: Showing Sheep	**Duty No.** G
	Task No. 7

Task: Transport animals to show, using appropriate resources, to assure the safety of the animal.

Achievement Indicators: The learner:	Yes	No
1. Knew the deadline for accepting the lamb at the fair -	____	____
2. Transported lamb in the coolness of the evening or morning, if in hot weather -	____	____
3. Removed feed before loading -	____	____
4. Used a ramp when loading the lamb -	____	____
5. Handled lamb gently when loading -	____	____
6. Had truck or trailer well-bedded -	____	____
7. Used a good rack to keep lamb in truck -	____	____
8. Penned lambs in small area in truck -	____	____
9. Drove carefully -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Truck or trailer Loading ramp Truck rack	

Duty: Showing Sheep	**Duty No.** G
	Task No. 8

Task: Prepare facilities at show (pen, stall, etc.), using appropriate resources, to best represent the animal and exhibition at the show.

Achievement Indicators: The learner:	Yes	No
1. Cleaned out pen well -	____	____
2. Removed nails or other protrusions that could hurt the lamb -	____	____
3. Put in plenty of fresh shiny straw -	____	____
4. Put up name sign -	____	____
5. Placed newly painted feeder on side partition -	____	____
6. Placed newly painted pail with fresh water in it in the corner -	____	____
7. Fed lamb after it was unloaded in the pen -	____	____
8. Made sure the pen gates were safely secured -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Straw; feed; water pail; name sign; string of wire	

Duty: Showing Sheep	**Duty No.** G
	Task No. 9

Task: Prepare exhibitor for show, using appropriate resources, to best represent himself or herself and the flock.

Achievement Indicators: The learner:	Yes	No
1. Knew the time of the show -	____	____
2. Prepared the lamb well in advance of the show -	____	____
3. Got show ring number from superintendent -	____	____
4. Knew the class the lamb will be shown in -	____	____
5. Just prior to showing, exhibitor changed into clean clothes -	____	____
6. Washed hands and face and combed hair -	____	____
7. Was in the show ring on time -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are performed according to the supervisor's satisfaction.

Tools and Equipment:	**Resources:**
Show ring number Clean clothes Soap and comb	

Duty: Using Employability Skills	**Duty No.** H
	Task No. 1

Task: Perform a self-assessment, using knowledge and information, to compile a list of personal attributes.

Achievement Indicators:

The learner:	Yes	No
1. Listed work-related accomplishments -	____	____
2. Listed non-work related accomplishments -	____	____
3. Identified skills and competency attainment -	____	____
4. Identified transferable (portable) skills -	____	____
5. Determined strengths and weaknesses -	____	____
6. Described job liabilities and the effect liabilities have on employment opportunities -	____	____
7. Developed a plan to overcome job liabilities -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin and Ronald Kent, "First Steps" in Opening Doors: A Practical Guide for Job Hunting. Continuum Center, Oakland University, 1984, pp. 7-14.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 2

Task: Perform a self-assessment, using knowledge and information, to identify areas of work that will provide personal job satisfaction.

Achievement Indicators: The learner:

	Yes	No
1. Listed personal job values -	____	____
2. Rated each job value -	____	____
3. Listed enjoyable activities/interests -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:	**Resources:** Ibid, pp. 16-20

Duty: Using Employability Skills	**Duty No.** H
	Task No. 3

Task: Perform a self-assessment, using knowledge and information, to determine methods to reduce levels of stress.

Achievement Indicators:

The learner:	Yes	No
1. Identified stages of grief that result in stress -	____	____
2. Identified factors that reduced levels of stress -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:	**Resources:**
	Ibid, pp. 21-23

Duty: Using Employability Skills	**Duty No.** H
	Task No. 4

Task: Compile an occupational profile, using reference materials, to determine the characteristics, requirements, and employment outlook of an occupation.

Achievement Indicators: The learner:

	Yes	No
1. Described:		
a. Main job duties -	____	____
b. Places of employment -	____	____
c. Physical demands -	____	____
d. Working (environmental) conditions -	____	____
e. Educational requirements -	____	____
f. Local, regional and national employment outlook -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Dictionary of Occupational Titles (D.O.T.).

Goodman, Jane, Judith Hoppin and Ronald Kent, "Making Decisions," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 27-34.

Michigan Occupational Information System (M.O.I.S.)

Duty: Using Employability Skills	**Duty No.** H
	Task No. 5

Task: Investigate non-wage job characteristics, using available resources, to identify significant job factors.

Achievement Indicators: The learner:	Yes	No
1. Listed and described:		
a. Union affiliation -	____	____
b. Apprenticeship opportunities -	____	____
c. Occupational hazards -	____	____
d. Shift requirements -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Dictionary of Occupational Titles (D.O.T.).

Goodman, Jane, Judith Hoppin and Ronald Kent, "Making Decisions," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 27-34.

Michigan Occupational Information System (M.O.I.S.)

Duty: Using Employability Skills	**Duty No.** H
	Task No. 6

Task: Develop goals, using knowledge, to determine career objective(s).

Achievement Indicators:

The learner:	Yes	No
1. Listed short-term goals-	____	____
2. Listed long-term goals -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:	**Resources:**
	Ibid, pp. 30-31

Duty: Using Employability Skills	**Duty No.** H
	Task No. 7

Task: Perform a job search, using information, to identify employment opportunities.

Achievement Indicators: The learner:

	Yes	No
1. Determined geographic boundaries for job search -	____	____
2. Listed types of potential places of employment -	____	____
3. Developed a list of prime sources of information concerning opportunities for employment, advertised and unadvertised -	____	____
4. Gathered information about advertised and unadvertised job openings -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin, and Ronald Kent, "Planning the Campaign," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 37-47.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 8

Task: Participate in an information interview, using knowledge and resources, to obtain information about a job from an employer.

Achievement Indicators: The learner:	Yes	No
1. Identified a job within the area of occupational interest -	____	____
2. Prepared a list of organizations that employ people to perform the identified job -	____	____
3. Scheduled an interview appointment with an employer at one of the organizations -	____	____
4. Prepared a list of questions for the interview -	____	____
5. Conducted the interview -	____	____
6. Prepared a follow-up letter to mail, after the interview, to the employer -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:	**Resources:**
	Goodman, Jane, Judith Hoppin and Ronald Kent, "Planning the Job Campaign," Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 44-45.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 9

Task: Complete a social security form, using information, to apply for a social security number.

Achievement Indicators:

The learner:	Yes	No
1. Contacted appropriate office to secure form -	____	____
2. Followed instructions on form -	____	____
3. Filled in each space on the form with the correct information -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:	**Resources:**
	"Handling the Paperwork," Employability Skills Guide #6, MSU.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 10

Task: Contact an employer, using a telephone, to pursue potential employment opportunities.

Achievement Indicators: The learner:

	Yes	No
1. Greeted receptionist -	____	____
2. Identified self and reason for phone call -	____	____
3. Asked to speak to appropriate person -	____	____
4. Arranged, if necessary, a time to call back -	____	____

Criteria: Competence in the task will be recognzied when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin, and Ronald Kent, "Communicating with Employers," in Opening Doors: A Practical Guide for Job Hunting, Oakland University, 1984, pp. 54-57.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 11

Task: Complete a job application, using personal notes, to apply for employment.

Achievement Indicators:

The learner:	Yes	No
1. Followed the direction specified on the application form -	____	____
2. Filled in each space where applicable, with the correct information -	____	____
3. Used a pen or typewriter to fill in application information -	____	____
4. Filled out the application neatly -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin, Ronald Kent, "Communicating with Employers," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 61-64.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 12

Task: Prepare a resume, using personal information, to apply for a job.

Achievement Indicators: The learner:

		Yes	No
1.	Listed name, address, and telephone number -	____	____
2.	Identified career objective -	____	____
3.	Listed work experiences -	____	____
4.	Described job-related experiences -	____	____
5.	Provided information about education -	____	____
6.	Listed military experience, if acquired -	____	____
7.	Described home/community activities -	____	____
8.	Listed membership in work related organizations/ associations -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin and Ronald Kent, "Communicating with Employers," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 58-59, 65-71.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 13

Task: Write a letter, using personal notes, to apply for a position.

Achievement Indicators: The learner:	Yes	No
1. Included:		
a. Name, address, and phone number -	____	____
b. Date -	____	____
c. Name, title, firm, address of person to whom the letter is being sent -	____	____
d. Salutation -	____	____
2. Indicated in paragraph one:		
a. An awareness of the business -	____	____
b. A reference to an ability/skill that will benefit the company -	____	____
3. Emphasized experience, abilities, accomplishments, in paragraph two -	____	____
4. Identified strengths/special training in paragraph three -	____	____
5. Included a follow-up plan in paragraph four -	____	____
6. Included complimentary closing -	____	____
7. Signed letter -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman Jane, Judith Hoppin and Ronald Kent, "Communication with Employers," in Opening Doors: A Practical Guide for Job Hunting. Continuum Center, Oakland University, 1984, pp. 72-73.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 14

Task: Demonstrate appropriate dress, using a knowledge of job requirements, to comply with standards of on-the-job attire and grooming.

Achievement Indicators: The learner:	Yes	No
1. Described and/or dressed in the attire of the appropriate occupational area, including:		
a. Grooming -	____	____
b. Health -	____	____
c. Uniforms -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin, and Ronald Kent, "The Job Interview," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 77-96.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 15

Task: Interview for a job, using communication skills, to secure employment.

Achievement Indicators:

The learner:	Yes	No
1. Demonstrated appropriate characteristics for job applicants including:		
a. Attire -	____	____
b. Grooming -	____	____
c. Conduct -	____	____
2. Demonstrated correct usage of interviewing techniques -	____	____
3. Prepared a list of questions to ask the interviewer -	____	____
4. Prepared a follow-up letter to mail, after the interview, to the interviewer -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin and Ronald Kent, "The Job Interview," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 77-96.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 16

Task: Contact a job interviewer, using a telephone, to accept/reject a job.

Achievement Indicators:

The learner:	Yes	No
1. Spoke with interviewer who offered the job -	____	____
2. Identified self -	____	____
3. Accepted offer, if applicable -	____	____
4. Found out starting date and time, if appropriate -	____	____
5. Rejected offer courteously and politely, if applicable -	____	____
6. Gave reason for rejection, if applicable -	____	____
7. Concluded conversation correctly -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:	**Resources:**
	"Getting the Job," Employability Skills Guide #9, MSU. Ibid, pp. 77-96.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 17

Task: Complete forms, using information, to withhold city, state and federal taxes.

Achievement Indicators: The learner:

	Yes	No
1. Completed city tax form correctly -	____	____
2. Completed state form correctly -	____	____
3. Completed federal tax form correctly -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:	**Resources:**

Duty: Using Employability Skills	**Duty No.** H
	Task No. 18

Task: Describe performance evaluation measurements, using knowledge, to identify behavior/attitudes that employers expect employees to exhibit on the job.

Achievement Indicators: The learner:	Yes	No
1. Listed and described the methods to achieve successful working relationships -	____	____
2. Listed and defined importance of:		
a. Reliability -	____	____
b. Punctuality -	____	____
c. Quality -	____	____
d. Quantity -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin and Ronald Kent, "Opening the Door to Your Future," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 99-100.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 19

Task: Perform a continuing education program search, using available resources, to identify opportunities for retraining, skills upgrading, and career advancement.

Achievement Indicators: The learner:	Yes	No
1. Described types and sources of continuing education programs for an occupation -	____	____
2. Related information to career alternatives -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Goodman, Jane, Judith Hoppin, and Ronald Kent, "Opening the Door to Your Future," in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, p. 101.

Duty: Using Employability Skills	**Duty No.** H
	Task No. 20

Task: Analyze career information, using available resources, to identify the opportunities for advancement that exist within an occupation.

Achievement Indicators:

The learner:	Yes	No
1. Described the career stages associated with the occupational areas:		
a. Listed jobs, entry through advanced levels -	____	____
b. Gave examples of tasks that employees in the occupation are required to perform -	____	____
c. Identified tools/equipment that employees in the occupation use -	____	____
d. Made reference to the relationship of the job(s) to data, people, and things -	____	____
e. Made reference to education and/or on-the-job training needed to attain career mobility -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:

Resources:

Dictionary of Occupational Titles (D.O.T.).

Goodman, Jane, Judith Hoppin and Ronald Kent, "Opening the Door to Your Future,: in Opening Doors: A Practical Guide for Job Hunting, Continuum Center, Oakland University, 1984, pp. 99-102.

Michigan Occupational Information System (M.O.I.S.).

Duty: Using Employability Skills	**Duty No.** H
	Task No. 21

Task: Describe job resignation/dismissal practice, using knowledge, to identify positive methods for terminating an employment situation.

Achievement Indicators: The learner:	Yes	No
1. Described practice for resigning from a job:		
a. Gave two weeks to a months notice -	____	____
b. Specified a positive reason for leaving the employment situation -	____	____
2. Described practices for job dismissal (laid-off, released):		
a. Asked the employer for a letter of reference if laid off -	____	____
b. Talked with the employer to discover what was the problem, if released -	____	____

Criteria: Competence in the task will be recognized when the achievement indicators are successfully performed according to the instructions.

Tools and Equipment:	**Resources:**
	"Knowing the Score," Employability Skills Guide #10, MSU.

TOOL AND EQUIPMENT LIST
FOR SHEEP

Equipment	Duty
Adjustable wrenches	C, E
Balling gun	D
Black light	C
Blinders	A
Blocking tools	G
Broom	C, D
Brush	C
Bucket	A, D, F, G
Burlap material	A
Calculator	A, B, C, F
Creep gate	C
Dipping tank	D
Disinfectant applicator	D
Dose syringe	D
Dusting equipment	D
Ear tags	A, B
Elastrator	D
Electric shears	A, B
Emasculator	D
Feeder	A, B, C
Framing square	E
Frick speculum tube	D
Goggles	D
Grain probe	C
Grease gun	C
Grinding equipment	C
Hammer	E, F
Hand saw	E
Hand shears	A
Hand tools	C, E
Heat lamp	A, C
Hinged hurdles	A
Hoof trimmers	G
Hose	D

TOOL AND EQUIPMENT LIST (Cont.)

Equipment	Duty
Implant gun	C
Incinerator	A, D
Insecticide applicator	D
Knife	A, D
Level	E
Liquid manure spreader	E
Loading chute	A, F, G
Long handle brush	E
Manure spreader	E
Marking crayon	B, F
Measuring container	D
Microcomputer	A, B, C, F
Moisture meter	C
Numbering set	A
Oral drench syringe	D
Paint branding tools	A
Permanent markers	A
Plastic gloves	A
Portable holding box	A
Post hole digger	D, E
Pregnancy tester	B
Pressure sprayer	D
Pressure washer	D
Protective clothing	D
Rasp	A
Rectal thermometer	D
Rope	D, E
Rubber boots	D
Protective glasses	D
Rubber gloves	A, D
Scales	A, B, C, F
Scraper	D
Screw driver	E
Self-feeder	C
Shaping tools	G
Shearing belt	A

TOOL AND EQUIPMENT LIST (Cont.)

Equipment	Duty
Shearing tools	G
Shovel	C, D
Soil test kit	D
Specimen container	D
Spraying equipment	D
Sprinkling can	D
Squeeze chute	D
Stomach tube	D
Syringe	A, D
Tagging equipment	A
Tape measure	E
Telephone	C
Thermometer	A
Tongue depressor	D
Tractor with carriage	D
Tractor with front loader	E
Trailer	G
Trimming shears	A
Trocar and cannula	D
Wagon	D
Waterers	A, C
Wheelbarrow	D
Wool bag	F
Wool box	F
Wool card	G
Wool twine	F
Wrenches	F

STUDENT ACHIEVEMENT RECORD

SHEEP

STUDENT _____

INSTRUCTIONS:

Mark each student's level of competence according to the following guide:

LEVEL	GUIDE
1	Student has been exposed to task
2	Task accomplished with assistance
3	Task accomplished to criteria by student
4	Ability to teach or demonstrate the task to others

TASK	LEVEL	DATE
A. CARING FOR SHEEP		
1. Plan goals for sheep farm.		
2. Keep records.		
3. Prepare production performance record.		
4. Make inventory lists of sheep and equipment.		
5. Set up lambing pens.		
6. Move ewe by carrying her lamb.		
7. Identify animals.		
8. Assist ewe in lambing (where necessary).		
9. Clean newborn animals.		
10. Assist ewe to recognize lamb.		
11. Check mother's milk supply.		
12. Assist young to nurse.		
13. Remove afterbirth.		
14. Weigh and ear-tag newborn lamb.		
15. Correct entropium eye.		

TASK	LEVEL	DATE
A. CARING FOR SHEEP (continued)		
16. Assist ewe in adoption.		
17. Paint-brand sheep.		
18. Wean animals.		
19. Record weaning weights of lambs.		
20. Weigh feeder animals.		
21. Move feeder animals to feeder lot.		
22. Catch sheep using flank/chin method.		
23. Shear sheep.		
24. Trim hooves.		
25. Dry off ewes.		
26. Apply for registration.		
27. Dispose of unused chemicals and drugs.		
28. Store chemicals.		
B. BREEDING SHEEP		
1. Plan breeding systems.		
2. Select breeding stock.		
3. Keep breeding and lambing records.		
4. Flush animals.		
5. Tag ewes.		
6. Determine when to breed ewes.		
7. Determine number of rams needed for sheep flock.		
8. Mark rams.		
9. Breed ewes.		
10. Arrange pregnancy check for bred ewes.		
11. Keep record of due dates for ewes.		
12. Select feeder lambs.		
C. FEEDING SHEEP		
1. Prepare ration for sheep.		
2. Prepare sheep feeding records.		
3. Select feeding methods.		
4. Calculate cost of grain on feeder lambs operation.		
5. Calculate cost of rations and feed mixtures.		
6. Creep feed lambs-ration.		

TASK	LEVEL	DATE
C. FEEDING SHEEP (continued)		
7. Implant feeder lambs with growth stimulants.		
8. Feed lambs.		
9. Adjust feeders for sheep.		
10. Determine feeding and watering space requirements.		
11. Examine feedstuffs for mold and spoilage.		
12. Service bulk feed handling equipment.		
13. Service grinding and mixing equipment.		
14. Order feed.		
D. MAINTAINING SHEEP HEALTH		
1. Examine sheep for external parasites.		
2. Dip sheep.		
3. Dust sheep.		
4. Spray sheep.		
5. Examine sheep for internal parasites.		
6. Worm sheep using drenching method.		
7. Worm sheep using pill/bolus method.		
8. Collect fecal sample.		
9. Develop pasture rotation schedule.		
10. Plan a disease control program.		
11. Take sheep's temperature.		
12. Administer medication by injection.		
13. Administer oral medication.		
14. Apply medication to cuts and bruises.		
15. Treat sheep for contagious diseases.		
16. Treat sheep for scours.		
17. Vaccinate animals.		
18. Castrate lamb, sharp-knife method.		
19. Castrate lamb, using emasculator.		
20. Castrate lamb using elastrator.		
21. Dock lamb using sharp-knife method.		
22. Dock sheep using elastrator band.		
23. Treat bloated animals.		

TASK	LEVEL	DATE
D. MAINTAINING SHEEP HEALTH (continued)		
24. Isolate newly purchased animals for observation.		
25. Separate sick, weak or injured animals.		
26. Dispose of dead animals.		
27. Apply insecticides in building.		
28. Disinfect buildings and equipment.		
29. Clean sheep pens and housing.		
E. MAINTAINING SHEEP FACILITIES		
1. Plan housing for a ewe and lamb operation.		
2. Clean and adjust waterers for sheep.		
3. Install waterer.		
4. Install self-feeders.		
5. Build lamb creep feeder.		
6. Build hay and grain bunk.		
7. Build salt and mineral boxes.		
8. Build cutting chute.		
9. Build portable loading chute.		
10. Build trimming stand.		
11. Build lambing complex.		
12. Build electric fence (sheep type).		
13. Apply wastes to fields.		
14. Build foot bath.		
15. Inspect buildings.		
F. MARKETING SHEEP		
1. Plan marketing schedule.		
2. Calculate expected returns and profits on sales.		
3. Calculate shrinkage.		
4. Estimate market grades.		
5. Select markets.		
6. Sort and mark lambs for market.		
7. Cull animals for sale.		
8. Prepare carriers for hauling animals.		
9. Load and transport sheep.		
10. Consign outstanding animals to sale.		

TASK	LEVEL	DATE
F. MARKETING SHEEP (continued)		
11. Market wood.		
G. SHOWING SHEEP		
1. Selected animal for showing.		
2. Prepare lamb.		
3. Trim and shave lamb.		
4. Prepare market lamb for showing.		
5. Train lamb to lead and stand.		
6. Show lamb.		
7. Transport animals to show.		
8. Prepare facilities at show (pen, stall, etc.).		
9. Prepare exhibitor for show.		
H. USING EMPLOYABILITY SKILLS		
1. Perform a self-assessment to compile a list of personal attributes.		
2. Perform a self-assessment to identify areas of work that will provide personal job satisfaction.		
3. Perform a self-assessment to determine methods to reduce levels of stress.		
4. Compile an occupational profile.		
5. Investigate non-wage job characteristics.		
6. Develop goals.		
7. Perform a job search.		
8. Participate in an information interview.		
9. Complete a social security form.		
10. Contact an employer.		
11. Complete a job application.		
12. Prepare a resume.		
13. Write a letter.		
14. Demonstrate appropriate dress.		
15. Interview for a job.		
16. Contact a job interviewer.		
17. Complete forms.		
18. Describe performance evaluation measurements.		

TASK	LEVEL	DATE
H. USING EMPLOYABILITY SKILLS (continued)		
19. Perform a continuing education program search.		
20. Analyze career information.		
21. Describe job resignation/dismissal practice.		

CLASS ACHIEVEMENT RECORD

| NAME | TASK No. | | |